DOCUMENT RESUME

ED 467 633 SO 033 988

AUTHOR	Emerson, Rae; Hoermann, Elizabeth; Stearns, Liza
TITLE	Exploring the Real Thing: A Guide to Educational Programs at National Park Sites in Massachusetts.
INSTITUTION	National Park Service (Dept. of Interior), Washington, D.C.
PUB DATE	1999-05-00
NOTE	161p.; Developed with input and funding from National Parks in the Commonwealth of Massachusetts, and with funding from Eastern National. Part of the Parks as Classrooms[R] program supported by the National Park Foundation.
AVAILABLE FROM	National Park Service, 1849 C Street NW, Washington, DC 20240. Tel: 202-208-6843; Web site: http://www.nps.gov/.
PUB TYPE	Guides - Non-Classroom (055)
EDRS PRICE	EDRS Price MF01/PC07 Plus Postage.
DESCRIPTORS	*Curriculum Enrichment; Elementary Secondary Education; Heritage Education; *Historic Sites; *National Parks; Natural Resources; Primary Sources; Program Descriptions; Social Studies; *State History; Student Educational Objectives
IDENTIFIERS	*Massachusetts; National Park Service; *Site Visits

ABSTRACT

As the steward of the nation's premier historic, natural, and recreational resources, the National Park Service manages 15 unique areas within the Commonwealth of Massachusetts. Each of these sites offers hands-on programs specifically geared to meet the needs of teachers and students. The programs support the Massachusetts Curriculum Frameworks and are conducted by trained staff. This guide is designed to make the state's educators aware of the curriculum-based programming, materials, and services available to them through the units of the National Park System in Massachusetts. The guide lists the following national parks alphabetically: Adams National Historical Park; Blackstone River Valley National Heritage Corridor; Boston African American National Historic Site; Boston Harbor Islands, a national park area; Boston National Historical Park; Cape Cod National Seashore; Essex National Heritage Area; Frederick Law Olmstead National Historic Site; John F. Kennedy National Historic Site; Longfellow National Historic Site; Lowell National Historical Park; Minute Man National Historical Park; New Bedford Whaling National Historical Park; Salem Maritime National Historic Site; Saugus Ironworks National Historic Site; and Springfield Armory National Historic Site. Each park entry includes a description of the site's principal themes and resources, location, and educational programming season. Subsequent pages include descriptions of each program offered, and follow a similar format to help educators determine the learning experiences most appropriate for their students. Contains extensive resource lists. (BT)

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ED 467 633

Exploring the Real Thing

A Guide to Educational Programs at National Park Sites in Massachusetts

SO 033 988

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ACKNOWLEDGEMENTS

Exploring the Real Thing was developed with input and funding from National Parks in the Commonwealth of Massachusetts, and with funding from Eastern National, a cooperating association that supports park interpetive and educational programming through revenue generated from sales of publications and other merchandise related to park themes.

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The Project Team would like to recognize the National Park Foundation for ongoing support of the Parks as Classrooms® program, the many teachers who helped develop Parks as Classrooms® programs, and park staff and partners who work daily to preserve and interpret park resources for present and future generations.

1st edition printed May 1999

Eastern National
Serving America's National Parks and Other Public Trusts

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Foreword

FOREWORD

Dear Massachusetts Educator:

This guide is designed to make you aware of the curriculum-based programming, materials, and services available to you through the units of the National Park System in Massachusetts.

As the steward of the nation's premier historic, natural, and recreational resources, the National Park Service manages fifteen unique areas within the Commonwealth. Each of these sites offers exciting hands-on programs specifically geared to meet the needs of teachers and students. These programs support the Massachusetts Curriculum Frameworks and are conducted by highly trained staff with a proven record of success.

As you plan for the year ahead, we hope you will take advantage of our offerings. This volume should contain all the information you need to select and reserve programs that meet your curricular needs. We encourage you to contact our sites directly with whatever questions and suggestions you may have.

We all look forward to hearing from you and to seeing you and your classes at our sites.

Marie Rust
Director, Northeast Region
National Park Service

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Preface

PREFACE

"...these Parks, the greatest of schools and playgrounds. No other school is likely so to inspire children, so to give them vision and fire their imagination. Surely the children ought to have this extraordinary opportunity."

Enos Mills, 1917

Using Parks as Classrooms®

The National Park Service preserves and interprets some of the country's most extraordinary resources. From the red cliff walls of Arizona's Grand Canyon to The Great Hall of New York's Ellis Island, national parks offer opportunities for students and teachers to access information that cannot be found anywhere else.

Imagine reading "The Children's Hour" while standing at the base of the "broad hall stairs" immortalized by Henry Wadsworth Longfellow in a poem that captured the country's imagination with its enchanting portrayal of the poet's home and family. Picture your students debating the Stamp Act in Old South Meeting House, then marching to the waterfront in defiance of British law to re-enact the Boston Tea Party. Watch history and science come to life as students collect, analyze, and compare data from water quality tests to assess the impact of industrialization on the health of the Merrimack River and its ecosystem. Whether teaching history, science, language arts, art, or math, national parks can help enrich your curriculum by providing opportunities for students to learn through structured resource-based experiences that teach about the natural world and the people and events that shaped the nation.

Since its establishment in 1916, the National Park Service has held education to be central to its mission to "conserve the scenery and the natural and historic objects and the wildlife therein and to provide for the enjoyment of the same in such manner and by such means as will leave them unimpaired for the enjoyment of future generations" (16 USC 1). Throughout the first half of the century, education efforts focused on cultivating a national constituency supportive of preservation stewardship. In the mid-1960s, the National Park Service responded to the country's growing interest in environmental issues by offering environmental education programs at national parks throughout the country. A decade later, public interest in the country's bicentennial resulted in the creation of history-based education programs at sites with thematic links to the nation's founding.

In 1992, responding to new national education goals and increased interest in authentic learning, the National Park Service and the National Park Foundation launched Parks as Classrooms®, a nation-wide educational initiative that strives to help teachers make history, science, art, math, and culture come to life through structured learning experiences that bring students to parks and park resources into classrooms. Last year, over one million students participated in Parks as Classrooms® programs developed through partnerships between teachers and staff at national parks throughout the country.

Today, curriculum-based education programs are recognized and supported as an essential part of National Park programming. The Northeast Region of the National Park Service is committed to making parks centers for teaching and learning, and has developed a strategic plan that sets a goal for every site in the region to offer at least one curriculum-based program by 2002. Through this goal, the Northeast Region will provide an opportunity for every student to participate in a curriculum-based park experience before high school graduation.

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About Exploring the Real Thing

Exploring the Real Thing supports the National Park Service strategic plan by providing teachers with information on curriculum-based programs and materials offered by national parks in Massachusetts. The guide includes descriptions of park education programs, as well as a list of resources recommended by teachers who use National Parks as part of their curriculum.

The structure of *Exploring the Real Thing* is straightforward. National parks are listed alphabetically in the Table of Contents. Beneath each park is a listing of the site's education programs and the pages on which you can find detailed program information. The first page of each park entry includes a description of the site's principal themes and resources, location, and educational programming season. Subsequent pages include descriptions of each program offered, and follow a similar format intended to help you determine the learning experiences most appropriate for your students.

Overview: Summary of the program theme, sequence of activities, role of park staff, and program length.

Ties to the Curriculum: Links between the program and learning standards identified in the Massachusetts Curriculum Frameworks.

Target Audience: Suitability of program for different grade levels

Class Size: Maximum number of students accommodated by one program, including chaperon requirement.

Cost: Program fee, including all pre- and post-visit materials.

Availability: Time of year program is offered.

Accessibility: Information on accessibility of site resources to wheelchair users.

Food: Description of on-site eating facilities and availability of food service providers within walking distance of the park.

Restrooms: Availability and accessibility of restrooms.

Reserving a Program: Information on how and when to reserve a program.

Directions/Parking: Directions for getting to the park by car/bus and public transportation.

For Further Information: Contact name, telephone number, and e-mail address to which inquiries about the program should be directed.

The guide closes with a comprehensive list of student and teacher resources recommended by educators who use and/or work at national parks in Massachusetts. In general, resources are classified by Framework and arranged alphabetically by author's last name.

Exploring the Real Thing was developed with the belief that national parks offer opportunities for students to learn content and skills through structured learning experiences that explore the extraordinary natural and cultural resources preserved and interpreted by the National Park Service. We hope you will use this guide to make national parks part of your school curriculum.

Adams National Historical Park

135 Adams Street
Quincy, MA 02169-1749
617/770-1175
www.nps.gov/adam

Programming Season

○ Spring ○ Summer ○ Fall

Adams
National
Historical
Park

Adams National Historical Park preserves and protects the grounds, homes, and personal property of four generations of the Adams family, whose experiences represented, shaped, and mirrored significant events in the social, cultural, political, and intellectual history of the nation from 1735-1927. The contributions of the Adams family are living legacies to American definitions of responsibility, freedom, patriotism, civic virtue, and achievement. The site and its resources provide an extraordinary window into the personal lives of two presidential families—John Adams and son John Quincy Adams—and are an index to two centuries of American literature, education, intellectual life, and the formation of our nation's government. The collection at Adams National Historical Park contains internationally and nationally recognized fine and decorative arts, books, manuscripts, furnishings, and other objects.

Educational programs are offered through partnerships with the Boston People and Places Program/Freedom Trail Foundation, the Quincy Historical Society, and the United First Parish Church of Quincy.

Adams National Historical Park

ESPECIALLY FOR SCHOOL GROUPS

The Boston Massacre

The Boston Massacre: John Adams to the Defense

○ Spring ○ Summer ○ Fall

Students participating in this two hour interdisciplinary program explore events leading up to the "Boston Massacre," public response to the event, and factors influencing John Adams' decision to defend the accused. The program begins at the Visitor Center where students re-enact the "Boston Massacre," film the re-enactment, interview witnesses to the massacre, write news articles about the event, and prepare questions for John Adams. Students portray the participants, witnesses, camera crew, news team, and members of the press. The director and assistant are portrayed by costumed Park Rangers. Students then travel to the law office of John Adams at the John Quincy Adams Birthplace where they meet and interview the lawyer (portrayed by a Park Ranger) who defended the accused.

Teachers receive a Teacher's Guide with activities that prepare students for the on-site visit and offer post-visit activities to extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links the Massachusetts Curriculum Frameworks for History and Social Science (Standards 1 & 3) with English Language Arts (Standards 2 & 18).

Target Audience

Grades 5-8

Class Size

15-60 students

1 : 20 chaperon to student ratio

Cost

FREE

Availability

Available spring, summer, and fall.

Accessibility

The program is wheelchair accessible.

Food

The Atrium in the building where the Visitor Center is located offers wheelchair accessible indoor lunching. Students can bring bag lunches or purchase food to eat at the Atrium. An outdoor picnic area is located one mile from the site at Wollaston Beach.

Restrooms

Wheelchair accessible restrooms are located at the Visitor Center.

Reserving a Program

Reservations are required and recommended two months in advance. Contact the Education Program Coordinator, Adams National Historical Park, 135 Adams Street, Quincy, MA 02169-1749
tel: 617/770-1175
e-mail: adam_visitor_center@nps.gov

Directions/Parking

Adams National Historical Park is located in Quincy, MA. Education programs take place at different sites throughout the park. Limited bus parking is available at the Visitor Center and on streets adjacent to park historic sites. Contact the Visitor Services or Education Program Coordinator at 617/770-1175 for driving and parking information.

For Further Information

Education Program Coordinator, Adams National Historical Park, 135 Adams Street, Quincy, MA 02169-1749
tel: 617/770-1175
e-mail: adam_visitor_center@nps.gov

> "On the night of March 5, 1770, the foundation of American independence was laid."
>
> *John Adams*
> *March 2, 1786*

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Families in the Revolution

Families in the Revolution: Patriots in the Countryside

○ Spring ○ Summer ○ Fall

This two hour program introduces students to life in Colonial America through the lives of John and Abigail Adams, and engages them in a series of activities that explore the revolutionary climate that prompted Boston residents to seek refuge in the countryside. The program takes place at the Adams farm where students assume the roles of Boston townspeople and patriots who fled their homes in the city and traveled to the Adams farm seeking asylum. Students meet the Adams family and their friends (portrayed by Park Rangers) and discuss colonial occupations, help with farm chores, prepare a basket of provisions, begin a journal, and practice military maneuvers with the local militia.

Teachers receive a Teacher's Guide with activities that prepare students for the on-site program and offer post-visit activities to extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standard 1) with English Language Arts (Standard 2).

Target Audience

Grades 1-8

Class Size

15-70 students

1 : 20 chaperon to student ratio

Cost

FREE

Availability

Available spring, summer, and fall.

Accessibility
This program is wheelchair accessible.

Food
The Atrium in the building where the Visitor Center is located offers wheelchair accessible indoor lunching. Students can bring bag lunches or purchase food to eat at the Atrium. An outdoor picnic area is located one mile from the site at Wollaston Beach.

Restrooms
Wheelchair accessible restrooms are located at the Visitor Center.

Reserving a Program
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For Further Information
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tel: 617/770-1175
e-mail: adam_visitor_center@nps.gov

"Our House has been upon this alarm in the same Scene of confusion that it was upon the first soldiers coming in for lodging, for Breakfast, for supper, for Drink &c. &c. Sometimes refugees from Boston, tired and fatigued, seek an asylum for a Day or Night, a week—you can hardly imagine how we live."

Abigail Adams to John Adams
May 24, 1775

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Pen & Parchment

Pen & Parchment: Abigail and John — From Penn's Hill to Pennsylvania

○ Spring ○ Summer ○ Fall

This two and one-half hour program introduces students to John and Abigail Adams and engages them in a series of activities that explore the people and events that shaped the drafting and signing of the Declaration of Independence. Students begin with a visit to the Birthplace of John Quincy Adams where they meet Abigail Adams (portrayed by a Park Ranger) who lived in the house with her husband John (1764-1784). Students then travel with Abigail to Penn's Hill where she recalls the Battle of Bunker Hill and other events she captured in letters to her husband John, then living in Philadelphia. Students return to the Adams farm where they meet the Captain of the local militia (portrayed by a Park Ranger) who conducts military maneuvers. Students then assume the roles of delegates to the Second Continental Congress (led by a Park Ranger portraying John Adams) and travel to the Carriage House (Pennsylvania State House) to debate and sign the Declaration of Independence.

Teachers receive a Teacher's Guide with activities that prepare students for the on-site program and offer post-visit activities to extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links the Massachusetts Curriculum Frameworks for History and Social Science (Standards 1 & 4) with English Language Arts (Standard 2).

Target Audience

Grades 5-12

Class Size

25-80 students

1 : 20 chaperon to student ratio

Cost

FREE

Availability

Available spring, summer, and fall.

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Accessibility

Activities at the birthplace and carriage house are wheelchair accessible. Penn's Hill is not wheelchair accessible, though accommodations can be made with advance notice.

Food

The Atrium in the building where the Visitor Center is located offers wheelchair accessible indoor lunching. Students can bring bag lunches or purchase food to eat at the Atrium. An outdoor picnic area is located one mile from the site at Wollaston Beach.

Restrooms

Wheelchair accessible restrooms are located at the Visitor Center.

Reserving a Program

Reservations are required and recommended two months in advance. Contact the Education Program Coordinator, Adams National Historical Park, 135 Adams Street, Quincy, MA 02169-1749
tel: 617/770-1175
e-mail: adam_visitor_center@nps.gov

Directions/Parking

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For Further Information

Education Program Coordinator, Adams National Historical Park, 135 Adams Street, Quincy, MA 02169-1749
tel: 617/770-1175
e-mail: adam_visitor_center@nps.gov

> "I long to hear that you have declared an independency—and by the way in the new code of Laws which I suppose it will be necessary for you to make—I desire you would Remember the Ladies."

Abigail Adams to John Adams
March 13, 1776

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We the People

We the People: The Constitutional Convention

○ Spring ○ Summer ○ Fall

This two hour program invites students to take part in one of our nation's greatest dramas, the Constitutional Convention's passage of the United States Constitution on September 17, 1787. In a room set up to resemble the Assembly Room of Philadelphia's Independence Hall, students assume the roles of various delegates to the Convention and represent their state in a debate that determines the fate of the nation. Led by George Washington (portrayed by a Park Ranger), the debate becomes heated as the time draws short before the final vote is called. Issues such as representation in congress, the nature and role of the executive, interstate commerce, and slavery are discussed. After the debate, each delegate signs his or her name to the document, rings the Liberty Bell, and receives a copy of the United States Constitution and Massachusetts Constitution.

Teachers receive a Teacher's Guide with activities that prepare students for the on-site program and offer post-visit activities to extend learning beyond the program.

Ties to the Curriculum

This program supports the Massachusetts Curriculum Framework for History and Social Science (Standards 1, 2 & 4).

Target Audience

Grades 5-12

Class Size

15-60 students
1 : 10 chaperon to student ratio

Cost

FREE

Availability

Available spring, summer, and fall.

Accessibility

This program is wheelchair accessible.

Food

The Atrium in the building where the Visitor Center is located offers wheelchair accessible indoor lunching. Students can bring bag lunches or purchase food to eat at the Atrium. An outdoor picnic area is located one mile from the site at Wollaston Beach.

Restrooms

Wheelchair accessible restrooms are located at the Visitor Center.

Reserving a Program

Reservations are required and recommended two months in advance. Contact the Education Program Coordinator, Adams National Historical Park, 135 Adams Street, Quincy, MA 02169-1749
tel: 617/770-1175
e-mail: adam_visitor_center@nps.gov

Directions/Parking

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For Further Information

Education Program Coordinator, Adams National Historical Park, 135 Adams Street, Quincy, MA 02169-1749
tel: 617/770-1175
e-mail: adam_visitor_center@nps.gov

> “A Government of Laws and Not of Men.”
>
> *John Adams*
> *Massachusetts Constitution, 1779*

A House Divided

A House Divided: The Adamses and the Civil War

○ Spring ○ Summer ○ Fall

During this two and one-half hour program, students explore events leading up to the Civil War, experience the perspectives of Union and Confederate soldiers, and learn about the political and military roles played by members of the Adams family. The program begins at the Carriage House where students assume roles of members of the U.S. Congress during the secession crisis in 1861 . Facilitated by a Park Ranger portraying Congressman Charles Francis Adams, participants debate whether or not to dissolve the Union. Members of Congress, both North and South, discuss the critical issues that divide them. Last-minute efforts aimed at compromise prove futile and students find themselves preparing for battle in uniforms of either blue or gray. In the calm before the storm, Union soldiers, under the command of Charles Francis Adams II, Captain of the First Massachusetts Cavalry (portrayed by a Park Ranger), meet by chance with Confederate soldiers under the command of a Calvary Colonel. The soldiers explore their differences and realize that they have more in common than they thought. On the day of the battle, participants take on the role of an actual soldier at the Battle of Gettysburg and share his fate. The program closes with a Park Ranger portraying Abraham Lincoln reading the Gettysburg Address on the battlefield.

Teachers receive a Teacher's Guide with activities that prepare students for the on-site program and offer post-visit activities to extend learning beyond the program.

Ties to the Curriculum

This program supports the Massachusetts Curriculum Framework for History and Social Science (Standards 1, 2 & 4).

Target Audience

Grades 5-12

Class Size

15-70 students
1 : 10 chaperon to student ratio

Cost

FREE

Availability

Available spring, summer, and fall.

Accessibility

This program is wheelchair accessible.

Food

The Atrium in the building where the Visitor Center is located offers wheelchair accessible indoor lunching. Students can bring bag lunches or purchase food to eat at the Atrium. An outdoor picnic area is located one mile from the site at Wollaston Beach.

Restrooms

Wheelchair accessible restrooms are located at the Visitor Center.

Reserving a Program

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Directions/Parking

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For Further Information

Education Program Coordinator, Adams National Historical Park, 135 Adams Street, Quincy, MA 02169-1749
tel: 617/770-1175
e-mail: adam_visitor_center@nps.gov

> "…it was my fortune at one period to participate in a considerable number of battles—among them none more famous, nor more fiercely contested, than at Antietam and Gettysburg. The mere utterance of these names stirs the imagination."

Charles Francis Adams, Jr.
An Autobiography, 1835-1915

Blackstone River Valley National Heritage Corridor
One Depot Square
Woonsocket, RI 02895
401/762-0440
www.nps.gov/blac

Programming Season
○ Spring ○ Summer ○ Fall ○ Winter

Blackstone
River
Valley
National
Heritage
Corridor

Blackstone River Valley NHC

The Valley of the Blackstone River, which drains south-central Massachusetts and northern Rhode Island, has long been recognized by historians as the birthplace of American Industry. In the 1790s, Samuel Slater, a Pawtucket, Rhode Island textile maker, first succeeded in adapting English machine technology to cotton-yarn manufacturing powered by waterwheels. What had been a small cottage industry of hand-made products became America's first factory-based industry of mass production. This radical new "Rhode Island System of Manufacturing" spread rapidly throughout the Blackstone Valley, creating new communities built on the textile manufacturing industry. By the mid-nineteenth century, industrial manufacturing had taken hold, resulting in profound changes in the cultural, political, economic, demographic, and physical characteristics of the nation.

Today, structures and landscapes in the Blackstone River Valley tell the history of the American Industrial Revolution and the complex economic and social relationships of the people who lived and worked here. The Blackstone River Valley National Heritage Corridor works with partners to offer education programs and is currently developing an educator's resource guide.

ESPECIALLY FOR SCHOOL GROUPS

Trash and Tunnels

Storm Drain Detectives

○ Spring ○ Summer ○ Fall ○ Winter

Students taking part in this forty-five minute program discover how hazardous materials enter river systems, the effect of contaminants on river ecology, and strategies they can take to prevent trash and hazardous materials from entering the river. The program can take place at various locations throughout the Heritage Corridor or in classrooms in schools within the Corridor.

Using an "Enviroscape" watershed model, a Park Ranger works with students to identify materials that can enter and harm a watershed. Students observe water flow to locate potential sources of contamination and routes into River, make predictions based on their observations, discuss the impact on River health, and work through a series of questions to generate solutions.

Ties to the Curriculum

This interdisciplinary program links the Massachusetts Curriculum Frameworks for Science & Technology (Strand 1) with History and Social Science (Standard 6).

Target Audience

Grades 1-12

Class Size

10-25 students
1 : 20 chaperon to student ratio

Cost

FREE

Availability

Available year round.

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Accessibility

Program accessibility varies by site location.

Food

Depends on program site.

Restrooms

Depends on program site.

Reserving a Program

Reservations are required and recommended one month in advance of program date. Contact Kevin Klyberg, Blackstone River Valley National Heritage Corridor, One Depot Square, Woonsocket, RI 02895
tel: 401/762-0440
e-mail: blac_interpretation@nps.gov

Directions/Parking

Programs take place at different locations within the Heritage Corridor or in classrooms within the Corridor. Call the Heritage Corridor office at 401/762-0440 for directions to your program location.

For Further Information

Contact Kevin Klyberg, Blackstone River Valley National Heritage Corridor, One Depot Square, Woonsocket, RI 02895
tel: 401/762-0440
e-mail: blac_interpretation@nps.gov

> "By becoming storm drain detectives, we can all help the health of the river."
>
> *Ranger Dan*

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Waterpower and the Environment

Waterpower and the Environment

○ Spring ○ Summer ○ Fall ○ Winter

This one hour program engages students in an exploration of the mechanics of harnessing water for power, and the impact of human activity on the Blackstone River, from the onset of the Industrial Revolution in the late 1700s to today. The program can be done in classrooms in schools within the corridor or as part of a longer program that includes a tour of a site along the river.

Students take on the roles of water, waterwheels, and machines to learn how water can be used to generate power. Through a process of observation and discussion, students identify obstacles to capturing all of the available waterpower, and generate ideas for maximizing the system's efficiency. A subsequent discussion challenges students to consider the affect of altering the river's natural course, and the impact industrialization has had and continues to have on the health of the river and surrounding environment.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for Science & Technology (Strand 3) with History and Social Science (Standards 1&6).

Target Audience

Grades 1-12

Class Size

10-25 students
1 : 20 chaperon to student ratio

Cost

FREE

Availability

Available year round.

Accessibility
Program accessibility varies by site location.

Food
Depends on program site.

Restrooms
Depends on program site.

Reserving a Program
Reservations are required and recommended one month in advance of program date. Contact Kevin Klyberg, Blackstone River Valley National Heritage Corridor, One Depot Square, Woonsocket, RI 02895
tel: 401/762-0440
e-mail: blac_interpretation@nps.gov

Directions/Parking
Programs take place at different locations within the Heritage Corridor or in classrooms within the Corridor. Call the Heritage Corridor office at 401/762-0440 for directions to your program location.

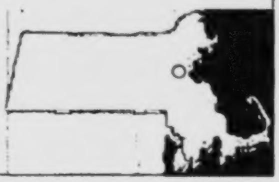
For Further Information
Contact Kevin Klyberg, Blackstone River Valley National Heritage Corridor, One Depot Square, Woonsocket, RI 02895
tel: 401/762-0440
e-mail: blac_interpretation@nps.gov

> "... The hardest working river, the most thoroughly harnessed to the mill wheels of labor in the United States, probably in the world, is the Blackstone."

Boston African American National Historic Site
46 Joy Street
Boston, MA 02114
617/227-6537
www.nps.gov/boaf

Programming Season
○ Spring ○ Summer ○ Fall

Boston African American National Historic Site



Located in the heart of Boston's Beacon Hill neighborhood, Boston African American National Historic Site preserves and interprets the sites and structures affiliated with the history of free nineteenth-century African Americans who lived and worked on Boston's Beacon Hill. The site includes fifteen pre-Civil War structures relating to the history of Boston's nineteenth century African-American community. The sites are linked by the 1.6 mile Black Heritage Trail®, featuring the Abiel Smith School, Augustus Saint-Gaudens' memorial to Robert Gould Shaw and the African-American Massachusetts 54th Regiment, and the African Meeting House, the oldest standing African-American church in the United States.

Boston African American NHS

ESPECIALLY FOR SCHOOL GROUPS

Resisting for Justice

Resisting for Justice: Take a Stand!

○ Spring ○ Summer ○ Fall ○ Winter

Students taking part in this two hour program experience first hand how people in Boston have protested against laws they felt were unfair. This program uses role-play to explore two different historical instances of protest. Students learn about events that shaped the present and discover how to stand up for what they believe in. Students begin their experience at the Old South Meeting House where they take on the roles of actual patriots and loyalists and debate the tax on tea that resulted in the Boston Tea Party. Students then travel to the African Meeting House where they learn how Boston's citizens protested the Fugitive Slave Law of 1850.

This program is part of the Boston People and Places Program, an educational experience designed to introduce Boston students to American history through visits to historic places. Students taking part share in the perspectives of the people who shaped history and visit the places where memorable events occurred. Pre-visit materials include background information and activities to prepare students for their visit.

Ties to the Curriculum

This program supports the Massachusetts Curriculum Framework for History and Social Science (Standards 1 & 4).

Target Audience

Grades 4-8

Class Size

Program accommodates 15-30 students, with one adult chaperon for every fifteen students.

Cost

FREE for Boston Public Schools. Fee for others. Call 617/482-6439 for information.

Availability

Available spring, summer, and fall.

Accessibility

The first floor of the African Meeting House is wheelchair accessible.

Food

The site has no designated area for bag lunches. A number of inexpensive restaurants are within walking distance of the site.

Restrooms

Wheelchair accessible restrooms are located on the first floor of the meeting house.

Reserving a Program

Reservations are required and are recommended two months in advance. Space is limited. Contact Jill Sanderson, 617/482-6439.

Directions/Parking

The site is located on Beacon Hill in Boston. There is no bus parking on Beacon Hill.

Driving Directions

From the North or South

Route I-93 to Storrow Drive to the Government Center exit. Exit onto Cambridge Street and travel 1/2 mile to Hancock Street. Turn right onto Hancock Street and follow to top of hill. Take a right onto Mount Vernon Street and follow one block to Joy Street. Take a right onto Joy Street and follow to Smith Court. The African Meeting House is located at 8 Smith Court.

Public Transportation

Take the Green or Red Line to Park Street Station. When you exit the station, take a left onto Park Street and follow to Beacon Street. Take a left onto Beacon Street and travel one block to Joy Street. Take a right onto Joy Street and follow to Smith Court. The African Meeting House is located at 8 Smith Court.

For Further Information

Contact the Education Program Coordinator, Boston African American National Historic Site, 14 Beacon Street
#103, Boston, MA 02108
tel: 617/227-6537
e-mail: tara_morrison@nps.gov

"We have met tonight in this obscure school-house; our numbers few and our influence limited; but, mark my prediction, Faneuil Hall shall ere long echo with the principles we have set forth. We shall shake the Nation by their mighty power."

William Lloyd Garrison,
Founding of the New England Anti-Slavery Society, 1832

Boston Harbor Islands—a national park area
408 Atlantic Avenue
Boston, MA 02110
617/223-8666
www.nps.gov/boha

Programming Season

○ Spring ○ Summer ○ Fall ○ Winter

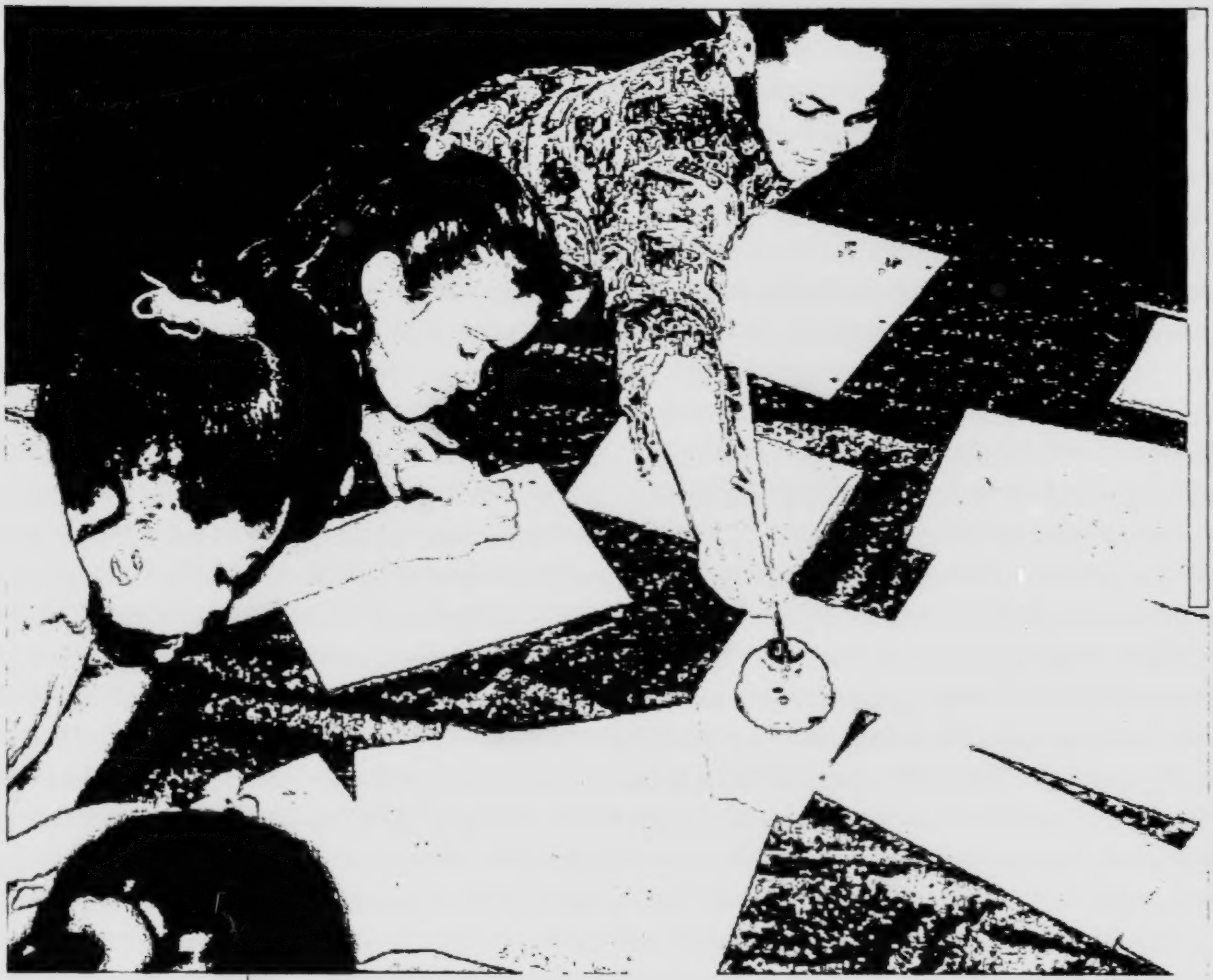
Boston Harbor Islands— a national park area

Boston Harbor Islands is a new national park area consisting of thirty islands in a unique system of drowned drumlins very near the urban setting of Boston. It is a living laboratory of coastal processes and is a teaching tool for future generations to learn how to care for the world in sustainable ways. Education and visitor information programs increase public understanding of the natural and cultural resources of the Boston Harbor Islands. The park is managed through a Partnership of federal, state, and city agencies and private organizations that currently offer educational programs on a range of topics. Tours, boat cruises, classroom curricula, kits, and hands-on activities focus on Native American views and uses of the island, colonial history, the intertidal zone, harbor pollution and cleanup, military history (colonial to 1950s), ecology, and the maritime history of Boston Harbor. The National Park Service Project Office is working with the Partners and other institutions to identify and expand educational offerings.

Boston Harbor Islands

For Further Information
Contact George Price, Boston Harbor Islands—a national park area, 408 Atlantic Avenue, Boston, MA 02110
tel: 617/223-8666

Directions/Parking
There are several routes to the islands and several educational facilities. For information please call 617-223-8666.



Boston National Historical Park
Charlestown Navy Yard
Boston, MA 02129
617/242-5689
www.nps.gov/bost

Programming Season

○ Spring ○ Summer ○ Fall ○ Winter

Boston National Historical Park

Boston National Historical Park preserves and interprets Boston's involvement in the American Revolution and the establishment of one of the first United States navy yards. The park tells the human story of the struggles, ideals, and sacrifices Bostonians made for the fight for freedom. The park also tells the human story of the Charlestown Navy Yard and the naval defense. The park includes five historic sites on the Freedom Trail, Bunker Hill Monument, Dorchester Heights Monument, and Charlestown Navy Yard.

The park offers a variety of educational programs, several of which are offered through partnerships with the Bostonian Society and the Old South Meeting House Association.

Boston National Historical Park

If Buildings Could Speak

ESPECIALLY FOR SCHOOL GROUPS

If Buildings Could Speak

○ Spring ○ Summer ○ Fall ○ Winter

Faneuil Hall and Old State House have served as centers for revolutionary protest for well over two centuries. *If Buildings Could Speak* introduces students to two historic sites on Boston's Freedom Trail: Faneuil Hall and Old State House. Students begin this two hour program at Faneuil Hall where they meet a park ranger who introduces them to Faneuil Hall and its many uses. Students then take part in a scavenger hunt, exploring the building's architecture and exhibits to find clues that tell about the people, events, and protests that have shaped the building's history. Students visit the Old State House where an Old State House educator introduces them to interactive exhibits on the royal government. The program concludes with a puppet show featuring Leo the Lion and Gus the Grasshopper.

If Buildings Could Speak was developed through a partnership between Boston National Historical Park and the Bostonian Society. Participating teachers receive an *If Buildings Could Speak* Activity Book with pre-visit activities that prepare students for the program and post-visit activities that extend learning beyond the program.

Ties to the Curriculum

This program supports the Massachusetts Curriculum Framework for History and Social Science (Standards 1 & 2).

Target Audience

Grades 3-6

Class Size

15 - 30 students

1:10 chaperon to student ratio

Cost

$2.00 per student

Availability

Available year round.

Accessibility
The program is wheelchair accessible.

Food
Downtown Boston offers a variety of options for lunch.

Restrooms
Wheelchair accessible restrooms are available.

Reserving a Program
Reservations are required and are recommended six months in advance. To reserve a program, call 617/720-3292 or write to the Bostonian Society, 15 State Street, Boston, MA 02109.

Directions/Parking
Wheelchair accessible bus parking is available on the street.

Driving Directions
From the North or South:
Route I-93 to Storrow Drive to the Government Center exit. Faneuil Hall is located on the corner of Congress and North Streets next to Quincy Market and Government Center. Contact the Bostonian Society at 617/720-3293 for up-to-date driving directions.

For Further Information
Contact Sue Goganian at 617/720-3292.

"Don't you yearn for those bygone days when people talked about 'the King...' They meant royalty and not Elvis... Don't you miss the peace and quiet of the old days? Why stress hadn't even been invented back then."

Leo the Lion talking with
Gus the Grasshopper

"You seem to be forgetting something King baby. Things were not quite as peaceful around here as you remember... Do you remember the Stamp Act riots of 1765?"

Gus to Leo

Rosie the Riveter

Rosie the Riveter

○ Spring

Students participating in this ninety minute program explore the contributions women shipyard makers made to the war effort during World War II, and uncover some of the challenges both women *and* men faced working side-by-side in a traditionally male dominated industry. During a forty-five minute hands-on workshop, students compare and contrast traditional roles occupied in pre-World War II and present-day American society, and examine wartime propaganda to learn how the government attempted to convince women to move into traditional shipyard roles. An interactive activity emphasizes the value of teamwork and raises student awareness of the contributions women *and* men made to the war effort. Students then take a thirty minute tour of the World War II destroyer USS CASSIN YOUNG which brings to life the results of the cooperative efforts of Navy Yard employees.

Teachers receive a *Rosie the Riveter* Activity Guide with pre-visit activities that prepare students for the program and post-visit activities that extend learning beyond the program.

Ties to the Curriculum

This program supports the Massachusetts Curriculum Framework for History and Social Science (Standards 4 & 12).

Target Audience

Grades 5-6

Class Size

15 - 30 students
1:7 chaperon to student ratio

Cost

FREE

Availability

Available in the spring.

"...we worked hard, but it was for a purpose. It just wasn't a job."

Gloria Brandenburg,
Boston Navy Yard Worker

Accessibility

The workshop portion of this program is wheelchair accessible. The World War II destroyer USS CASSIN YOUNG is not wheelchair accessible.

Food

Students can picnic outdoors on the grounds. No picnic tables are available.

Rest rooms

Wheelchair accessible restrooms are available.

Reservations

Reservations are required and are recommended four to nine months in advance. To reserve a program,
call 617/242-5689,
e-mail sandy_norris@nps.gov, or write to Boston National Historical Park,
15 State Street, Boston, MA 02109.

Directions/Parking

Bus parking is available at the site.

Driving Directions

From the South:

Route 93 north to exit 25 (Causeway Street/North Station). At the end of the ramp, turn right onto Causeway Street and follow to the first traffic light. Turn left onto North Washington Street, cross the Charlestown Bridge, and turn right at the first light onto Chelsea Street. Proceed to the first traffic light and turn right onto Warren Street, then take the first left onto Constitution Road. The Visitor Center/Bunker Hill Pavilion is on Constitution Road on your right.

Mass Turnpike to I-93 north (Expressway North). Follow directions above.

From the North:

Route 1 south over the Tobin/Mystic River Bridge. Follow signs for Charlestown. The exit is one mile after the Bridge and takes you into a tunnel. In the tunnel, follow the exit sign for Charlestown and proceed to a traffic light. At the light, turn right onto Rutherford Avenue and immediately get into the left lane. At the next traffic light, turn left onto Chelsea Street. Proceed to the first traffic light, turn right onto Warren Street. Go a short distance and take first left onto Constitution Road. The Visitor Center/Bunker Hill Pavilion is on Constitution Road on your right.

Route 93 south to Sullivan Square exit. Stay to the left on this exit ramp for approximately 1/3 mile. Proceed up a ramp to Rutherford Ave. Follow signs for Rutherford Ave./City Square. On Rutherford Ave, you will pass Bunker Hill Community College on your right. At this point, get into the left lane. Pass a Shell gas station on left. Immediately before the Charlestown Bridge, at City Square, turn left onto Chelsea Street (If you go over bridge, you've gone too far). Proceed to the first traffic light and turn right onto Warren Street, then take the first left onto Constitution Road. The Visitor Center/Bunker Hill Pavilion is on Constitution Road on your right.

For Further Information

Contact Celeste Bernado at
617/242 5652 or
email celeste_bernado@nps.gov.

Tea is Brewing

Tea is Brewing

○ Spring ○ Summer

Tea is Brewing is a two hour interactive workshop that engages students in a series of experiential activities designed to teach about the Boston Tea Party. The program takes place at three sites: Faneuil Hall, Old South Meeting House, and Tea Party Ship. At Faneuil Hall, a park ranger introduces the concept of a town meeting, which sets the stage for activities at the next site. Students then go to Old South Meeting House where they assume the roles of Patriots and Loyalists and debate the 1773 Tea Act. Students reject the British tax on tea and walk to the Tea Party Ship where they dump tea as colonists did over 225 years ago!

This program is developed and offered through a partnership with the Old South Meeting House. Teachers receive pre-visit materials that prepare students for the program and character cards for an on-site role-play activity.

Ties to the Curriculum

This program supports the Massachusetts Curriculum Framework for History and Social Science (Standards 1, 2 & 3).

Target Audience

Grades 4-12

Class Size

10 - 40 students
1:10 chaperon to student ratio

Cost

$5.00 per student

Availability

Available spring and summer.

Accessibility
The program is wheelchair accessible.

Food
Downtown Boston offers a variety of places for lunch.

Restrooms
Wheelchair accessible restrooms are available.

Reserving a Program
Reservations are required and are recommended well in advance of desired program date. To reserve a program, call 617/482-6439.

Directions/Parking
Wheelchair accessible bus parking is available on the street.

Driving Directions
From the North or South:
Route I-93 to Storrow Drive to the Government Center exit. The program begins at Faneuil Hall located on the corner of Congress and North Streets next to Quincy Market Shopping Area. Old South Meeting House is three blocks from Faneuil Hall and Tea Party Ship is a short walk from Old South. Call 617/482-6439 for up-to-date driving directions.

For Further Information
Contact Jill Sanderson at 617/482-6439.

> "These Patriots are lunatics if you ask me. There is no way that a small group of colonies can stand up to and demand rights from the King of England. It is Madness!"
>
> *Loyalist character card*

Phillis Wheatley

Phillis Wheatley: Mother of African-American Literature

○ Spring ○ Fall ○ Winter

Students participating in this ninety minute program visit Old South Meeting House and take a walking tour of Phillis Wheatley's neighborhood to learn about the life of the country's first African American poet. At Old South Meeting House, an educator uses Wheatley's image, poetry and letters to introduce students to the author. Students participate in a scavenger hunt to become familiar with Phillis Wheatley's church. Students then try their hand at writing with quill pens similar to those used by Wheatley over 200 years ago. A Boston Historica Park ranger takes students on a walking tour that brings Wheatley's 18th century neighborhood to life. In the event of inclement weather, an indoor activity will be substituted for the walking tour.

Teachers receive a packet of materials with pre-visit activities that prepare students for the visit and post-visit activities that extend learning beyond the program.

Ties to the Curriculum

This program supports the Massachusetts Curriculum Framework for History and Social Science (Standards 1, 2 & 4).

Target Audience

Grades 4-12

Class Size

10 - 28 students
1:10 chaperon to student ratio

Cost

$4.00 per student

Availability

Available spring, fall, and winter.

Accessibility
This program is wheelchair accessible.

Food
Downtown Boston offers a variety of options for lunch.

Rest Rooms
Wheelchair accessible restrooms are available.

Reserving a Program
Reservations are required and should be booked at least three weeks in advance. To reserve a program, call 617/482-6439. Space is limited. Reserve early for spring programs.

Directions/Parking
Wheelchair accessible bus parking is available on the street.

Driving Directions
From the North or South:
Route I-93 north or south to Storrow Drive to the Government Center exit. Old South Meeting House is located in downtown Boston on the corner of Milk and Washington Streets. Wheelchair accessible bus parking is available on the street. Call 617/482-6439 for up-to-date driving directions.

For Further Information
Contact Jill Sanderson at 617/482-6439

"I young in life, by seeming cruel fate
Was snatch'd from Afric's fancy'd
happy seat..."

Phillis Wheatley, *from poem written to*
Earl *of* Dartmouth, 1773

Merchants and Farmers

Merchants and Farmers in Battle

○ Spring ○ Summer

Students taking part in this two hour program at Bunker Hill Monument explore the lives and motivations of the eighteenth century colonial soldiers who united to face superior British forces at the Battle of Bunker Hill. A park ranger dressed as an eighteenth century colonist presents a soldier's perspective of the famous June 17, 1775 battle. Students learn about the life of an eighteenth century "citizen soldier" through a discussion of period clothing and a hands-on examination of items from a soldier's pack. Through artifact handling and discussion, students find out who these citizen soldiers were, and discover that their own lives, feelings, and motivations are not so unlike those of the early colonists. After taking part in a mapping exercise that shows how the landscape influenced the battle, students gather to watch a skilled ranger perform a musket firing demonstration that brings the scents and sounds of battle to life. In closing, students have an opportunity to climb to the top of the monument to see for themselves the strategic role the hill played in 1775.

Teachers receive a Bunker Hill Monument Brochure and a *Merchants and Farmers in Battle* Activity Book with pre-visit activities that prepare students for the program and post-visit activities that extend learning beyond the program.

Ties to the Curriculum

This program supports the Massachusetts Framework for History and Social Science (Standards 1, 2 & 9).

Target Audience

Grades 3-6

Class Size

15 - 40 students
1:10 chaperon to student ratio

Cost

FREE

Availability

Available in the spring.

> "If we should be called into action... I hope to have courage and strength to act my part valiantly in defence of our liberties and our country..."
>
> *Peter Brown, citizen soldier*

Accessibility

This program is wheelchair accessible.

Food

Students may bring lunches and picnic outdoors on the grounds. No picnic tables are provided.

Rest Rooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended four to nine months in advance. To reserve a program, call 617/242-5689, e-mail sandy_norris@nps.gov, or write to Boston National Historical Park, 15 State Street, Boston, MA 02109.

Directions/Parking

Limited on-street parking is available in Monument Square. Additional parking is available nearby in the Charlestown Navy Yard.

Driving Directions

From the South:

Route 93 north to exit 25 (Causeway Street/North Station). At the end of the ramp, turn right onto Causeway Street and follow to the first traffic light. Turn left onto North Washington Street, cross the Charlestown Bridge, and turn right at the first light onto Chelsea Street. Proceed through three traffic lights, then turn left onto Vine Street which becomes Bunker Hill Street. Turn left onto Lexington Street. At the top of the hill you will be in Monument Square alongside the Monument.

From the North:

Route 93 south to Sullivan Square exit. Stay to the left on this exit ramp for approximately 1/3 mile. Proceed up a ramp to Rutherford Ave. Follow signs for Rutherford Ave./City Square. On Rutherford Ave, you will pass Bunker Hill Community College on your right. At this point, get into the left lane. Pass a Shell gas station on left. Immediately before the Charlestown Bridge, at City Square, turn left onto Chelsea Street (If you go over bridge, you've gone too far). Proceed through three traffic lights, then turn left onto Vine Street which becomes Bunker Hill Street. Turn left onto Lexington Street. At the top of the hill you will be in Monument Square alongside the Monument.

Route 1 south over the Tobin/Mystic River Bridge. Follow signs for Charlestown. The exit is one mile after the Bridge and takes you into a tunnel. In the tunnel, follow the exit sign for Charlestown and proceed to a traffic light. At the light, turn right onto Rutherford Avenue and immediately get into the left lane. At the next traffic light, turn left onto Chelsea Street. Proceed through three traffic lights, then turn left onto Vine Street. which becomes Bunker Hill Street. Turn left onto Lexington Street. At the top of the hill you will be in Monument Square alongside the Monument.

For Further Information

Contact Ethan Beeler at 617/242-5669, or email ethan_beeler@nps.gov.

What's Behind a Monument

What's Behind a Monument

○ Spring ○ Summer

Dorchester Heights Monument commemorates the evacuation of the British from Boston in 1776. *What's Behind a Monument* is a ninety minute program at Dorchester Heights Monument. A park ranger meets the group and takes them to the top of the monument where students compare the modern view with images and descriptions of the 1776 landscape. Using old maps and illustrations, the park ranger discusses the strategic location of Dorchester Heights. Students then build a model of the 1776 fortifications and discuss the evacuation and its effect on the loyalists and patriots. The program closes with a discussion of the design of the monument and a description of other monuments in Boston.

Teachers receive a *What's Behind a Monument* Activity Book with pre-visit activities that prepare students for the program and post-visit activities that extend learning beyond the program. Teachers may also borrow slides of Dorchester Heights to use with students prior to the program.

Ties to the Curriculum

This program supports the Massachusetts Curriculum Framework for History and Social Science (Standards 1, 2 & 9).

Target Audience

Grades 5-12

Class Size

15 -30 students
1:10 chaperon to student ratio

Cost

FREE

Availability

Available spring and summer.

Accessibility

Most of this program is wheelchair accessible. Contact the site for accessibility information.

Food

Students may bring lunches to picnic outdoors on the grounds. No picnic tables are provided.

Rest Rooms

There are no restrooms at this site.

Reserving a Program

Reservations are required and are recommended six to nine months in advance. Call 617/242-5689, write to Boston National Historical Park, 15 State Street, Boston, MA 02109, or e-mail sandy_norris@nps.gov.

Directions/Parking

Limited on-street parking is available.

Driving Directions

From the North or South:

Route I-93 to the Mass Turnpike exit. Follow signs for South Boston/Broadway. Take a left at the 1st set of lights onto Broadway Street. Follow Broadway Street to the fourth set of lights and turn right onto Dorchester Street. Take the next left onto Old Harbor Street and proceed up the hill to Thomas Park and Dorchester Heights Monument. Call 617/242-5689 for up-to-date driving directions.

For Further Information

Contact Sheila Cooke-Kayser at 617/242 5689 or email sheila_cooke-kayser@nps.gov.

> "I hear that General Howe said, 'My God, these fellows have done more work in one night than I could make my army do in three weeks'."
>
> *Abigail Adams to John Adams*

Making a Monument

> "The Bunker Hill Monument... stands a memorial of the past and a monitor to the present, and to all succeeding generations."
>
> *Daniel Webster, June 17, 1843 dedication of the monument*

Making a Monument

○ Spring

Bunker Hill Monument commemorates the June 17, 1775 Battle of Bunker Hill. *Making a Monument* is a two hour program that combines a classroom exercise with a visit to Bunker Hill Monument. The program begins with a park ranger leading a classroom discussion with students about monuments. Through displays and discussion, students discover why, where, and how monuments are built and learn the concepts of commemoration, stewardship and preservation. Students are then given the opportunity to design their own monuments using classroom art supplies. After designing their own monuments, students travel to Bunker Hill Monument where for an activity that teachers how to identify monuments using the small markers, plaques, and statues in the neighborhood and at the site of the battle. Inside the site's Exhibit Lodge, park rangers use displays and illustrations to talk about the building of Bunker Hill Monument which was dedicated on June 17, 1843. Students are then invited to investigate the monument's construction first hand by joining a park ranger for an interpretive climb up the 294 steps to the observation platform.

Teachers receive a *Making a Monument* companion booklet with pre- and post-visit activities and materials designed to encourage students to find and appreciate monuments in their own neighborhoods and communities.

Ties to the Curriculum

This program supports the Massachusetts Curriculum Framework for History and Social Science (Standards 1, 2 & 9)

Target Audience

Grades 3-6

Class Size

15-30 1:10

Chaperon to student ratio

Cost

FREE

Availability

Available in the spring.

...a memorial of the past and a monitor to the present

Accessibility

Most of this program is accessible. Contact the site for accessibility information.

Food

Students may bring lunches to picnic outdoors on the grounds. No picnic tables are provided.

Restrooms

Restrooms are available

Reserving a Program

Reservations are required and are recommended four to nine months in advance. To reserve a program,
call 617/242-5689,
e-mail sandy norris@nps.gov,
or write to Boston National Historical Park, 15 State Street, Boston, MA 02109.

Directions/Parking

Limited on-street parking is available in Monument Square. Additional parking is available nearby in the Charlestown Navy Yard.

Driving Directions

From the South:

Route I-93 north to exit 25 (Causeway Street/North Station). At the end of the ramp, turn right onto Causeway Street and follow to the first traffic light. Turn left onto North Washington Street, cross the Charlestown Bridge, and turn right at the first light onto Chelsea Street. Proceed through three traffic lights, then turn left onto Vine Street which becomes Bunker Hill Street. Turn left onto Lexington Street. At the top of the hill you will bein Monument Square alongside the Monument.

From the North:

Route I-93 south to Sullivan Square exit. Stay to the left on this exit ramp for approximately 1/3 mile. Proceed up a ramp to Rutherford Ave. Follow signs for Rutherford Ave./City Square. On Rutherford Ave, you will pass Bunker Hill Community College on your right. At this point, get into the left lane. Pass a Shell gas station on left. Immediately before the Charlestown Bridge, at City Square, turn left onto Chelsea Street (If you go over bridge, you've gone too far). Proceed through three traffic lights, then turn left onto Vine Street which becomes Bunker Hill Street. Turn left onto Lexington Street. At the top of the hill you will be in Monument Square alongside the Monument.

Route 1 south over the Tobin/Mystic River Bridge. Follow signs for Charlestown. The exit is one mile after the Bridge and takes you into a tunnel. In the tunnel, follow the exit sign for Charlestown and proceed to a traffic light. At the light, turn right onto Rutherford Avenue and immediately get into the left lane. At the next traffic light, turn left onto Chelsea Street. Proceed through three traffic lights, then turn left onto Vine Street. which becomes Bunker Hill Street. Turn left onto Lexington Street. At the top of the hill you will be in Monument Square alongside the Monument.

From the West:

Route I-90 east to I-93 north. Follow directions *From the South* above.

For Further Information

Contact Ethan Beeler at 617/242-5669,
or e-mail ethan_beeler@nps.gov

Cape Cod National Seashore
99 Marconi Site Road
Wellfleet, MA 02667
508/349-3785
www.nps.gov/caco

Programming Season

○ Spring ○ Summer ○ Fall ○ Winter

Cape Cod National Seashore

Cape Cod National Seashore preserves and interprets 43,557 acres of shoreline and upland landscape features, including a forty-mile long stretch of pristine sandy beach, dozens of clear, freshwater kettle ponds, and upland scenes that depict past cultural influences on the land. A variety of historic structures are within the boundary of the Seashore, including lighthouses, lifesaving stations, and numerous Cape Cod style houses. The Seashore interprets nationally significant cultural and natural features, distinctive patterns of human activity, and ambiance that characterize Outer Cape Cod, along with associated scenic, cultural, and recreational values. Cape Cod National Seashore seeks to provide opportunities for current and future generations to experience, enjoy, and understand these features and values.

Cape Cod National Seashore

ESPECIALLY FOR SCHOOL GROUPS

NEED Program

NEED Program (National Environmental Education Development Program)

○ Spring ○ Summer ○ Fall ○ Winter

This program offers educational groups an opportunity to experience the many natural and historic features of Cape Cod on a multi-day basis. The NEED program is completely self-supporting; groups provide their own supervision, transportation, housekeeping, and instruction. National Park staff offer a required workshop to new users of the facility. The workshop reviews park resources, sites, rules, and regulations. Teachers work with Park staff to outline activities and educational standards appropriate for their groups.

Teachers receive *Guides Guide to Cape Cod National Seashore* (while available), sample lesson plans (available on the web), and a free teacher workshop.

Ties to the Curriculum

Teachers determine links to the Massachusetts Curriculum Frameworks during the teacher workshop.

Target Audience

Grades 4-12; college students, scout groups

Class Size

36 participants includes 1:12 chaperon to student ratio

Cost

subject to change, fees effective 1/1/99
$175 per night September –November
$100 per night Dec.-Feb. weekends (Fri, Sat.)
$50 per night Dec.-Feb. weekdays
$175 per night March-May
$225 per night June-August

Availability

Available year round.

Accessibility

All of the facilities are wheelchair accessible.

Food

Day groups can picnic outside only. Overnight groups have the use of the indoor facility at the NEED Building.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended six months to one year in advance. Demand for this program is high and the application process is extremely competitive. To reserve the NEED program, call 508/255-3421, or write to Mike Whatley, Cape Cod National Seashore, 99 Marconi Site Road, Wellfleet, MA 02667.

Directions/Parking

Cape Cod National Seashore is situated about 100 miles southeast of Boston and 275 miles northeast of New York City. Parking is available at the Salt Pond Visitor Center.

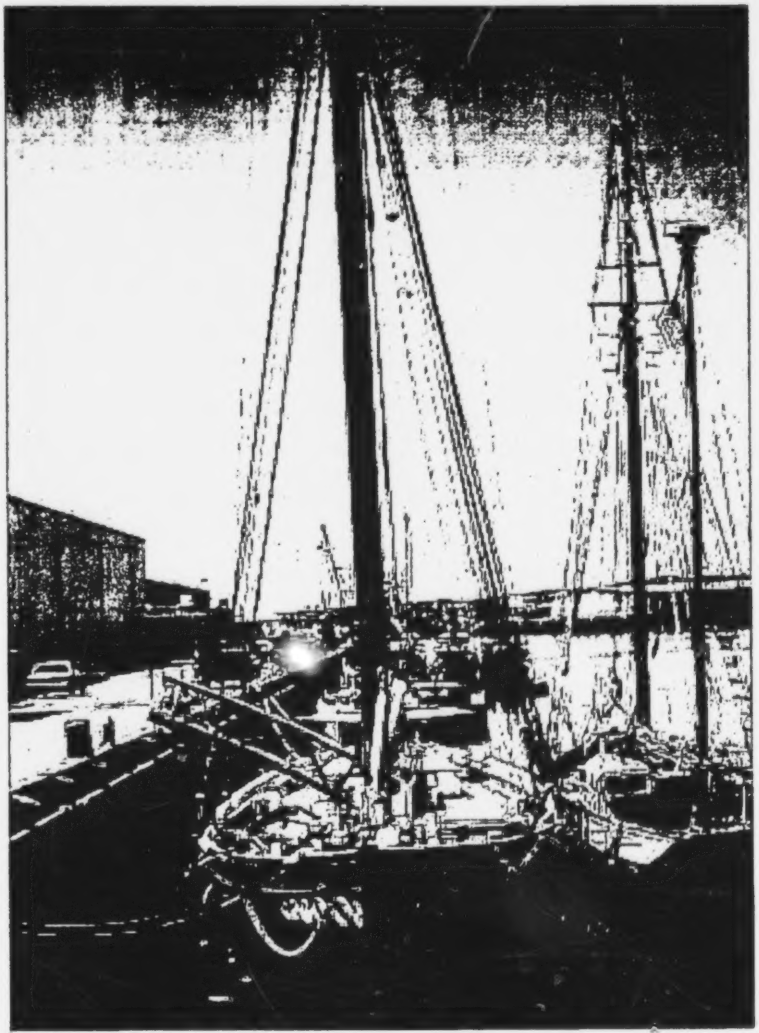
Driving Directions

Massachusetts State Highways 25 and 3 are the primary highways used to reach the Cape, taking the traveler across the Bourne Bridge or Sagamore Bridge, respectively. US Rte. 6 (also called the Mid-Cape Highway) is a limited-access road from the Sagamore Bridge to the Orleans rotary. Continue on Rte. 6, the first entrance to Cape Cod National Seashore is on the right at the second traffic light from the rotary. The Salt Pond Visitor Center is located on the right immediately after your turn.

For Further Information

Contact Mike Whatley at 508/255-3421
or e-mail michael_whatley@nps.gov.

> "Here is the spring of springs,
> the waterfall of waterfalls. . ."
>
> *Henry David Thoreau*



Essex National Heritage Area
6 Central Street
Salem, MA 01970
978/741-8100
www.essexheritage.org.

Programming Season
○ Spring ○ Summer ○ Fall ○ Winter

Essex National Heritage Area

Essex
National
Heritage
Area

The Essex National Heritage Area encompasses 500 square miles between the Atlantic Coast and the Merrimack Valley in the northeast corner of the Commonwealth. It includes thousands of historic sites and districts that are interwoven to illuminate three stories: the early settlement of the United States, its emergence as a maritime power, and its subsequent industrial development, particularly in the textile, leather, and shoe industries. The National Heritage Area is managed by a voluntary local entity, the Essex National Heritage Commission, Inc. It uses a series of partnerships among all levels of government and the private sector to coordinate activities in preservation and education. The National Park Service provides technical assistance and is involved through the activities of Salem Maritime National Historic Site and Saugus Iron Works National Historic Site.

In addition to the two National Park Service properties. Most of the state, municipal, and private museums and historic sites offer numerous educational activities. To learn about them, call the Commission at 978/741-8100 or visit the Commission's website at www.essexheritage.org.

Frederick Law Olmsted National Historic Site
99 Warren Street
Brookline, MA 02445
617/566-1689
www.nps.gov/frla

Programming Season

○ Spring ○ Summer ○ Fall ○ Winter

Frederick
Law
Olmsted
National
Historic
Site

Frederick Law Olmsted National Historic Site preserves and interprets the home, office, collections, and grounds of Frederick Law Olmsted (1822-1903), who is widely recognized as the founder of the profession of landscape architecture in the United States and the nation's foremost parkmaker. In 1883, Olmsted established a full-scale professional office in Brookline, Massachusetts that expanded and perpetuated his landscape design ideals, philosophy, and influence over the course of a century. His work profoundly influenced the way people view landscape, the legacy of which can be seen today in the work of city planners and landscape architects, and in the lives of millions of people who use and enjoy Olmsted-designed landscapes. The site includes a century-old professional design office that remains virtually unchanged from the height of the Olmsted firm's activity; an historic vault that houses thousands of original plans and drawings; and grounds that reflect the Olmsted firm's design ideals, craftsmanship, and use of plant material.

Frederick Law Olmsted NHS

ESPECIALLY FOR SCHOOL GROUPS

Landscape Explorers

Landscape Explorers: Uncovering the Power of Place

○ Spring ○ Fall

There was a child
went forth
every day,
And the first object
he looked upon,
that object he
became,
And that object
became part of
him for the day
or a certain part
of the day
Or for many years,
or stretching
cycles of years.

Walt Whitman,
"There Was a Child
Went Forth"
Leaves of Grass, 1855

Landscape Explorers heightens student awareness of the relationship between landscape and people. The program takes place at the Arnold Arboretum, one of the best preserved Olmsted-designed landscapes in existence.

Students participating in this three hour ranger or Arboretum staff-led program investigate the landscape using methods from History, Art, and Science. **Historians** explore the vestiges of a nineteenth century farm where they use primary source materials and clues in the landscape to create a map of what the site once looked like and discover how people have shaped the land. **Naturalists** explore Hemlock Forest where they observe natural phenomena, create field notes, and chart findings to discover how natural features influence the look and feel of landscapes. **Artists** travel through varied landscapes where they discover how the colors, shapes, and textures of a landscape affect human thought and feeling, then capture their impressions in a collective landscape portrait. Students discover the stories embedded in landscape and consider their role in shaping and caring for landscape.

Teachers receive a Teacher's Guide with pre-and post-visit materials, enough Student Field Journals for every student in the class, and a packet of 11" x 14" landscape photographs.

Landscape Explorers was developed in partnership with the Arnold Arboretum of Harvard University and in collaboration with the Boston Public Schools.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Learning Standard 10) with Art (Learning Standard 1) and Science & Technology (Strand 1).

Target Audience

Grades 4-6

Class Size

15-30 students
1 : 10 chaperon to student ratio

Cost

$150 per class

Availability

Available spring and fall.

Accessibility

This program has limited accessibility. With accommodation, the Historian's adventure is accessible to students who use wheelchairs or have limited mobility.

Food

Student groups picnic outdoors at the Arnold Arboretum.

Rest Rooms

Several outdoor restrooms are available near the program site. Restrooms are not wheelchair accessible.

Reserving a Program

Reservations are required and are recommended two months in advance. Contact the Education Specialist, Olmsted National Historic Site, 99 Warren Street, Brookline, MA 02445
tel: 617/566-1689, x 204
liza_stearns@nps.gov

Directions/Parking

The main gate to the Arnold Arboretum is located at 125 Arborway, Jamaica Plain, MA. Bus parking is available at the main entrance in front of the Hunnewell Building.

Driving Directions

From Boston and Cambridge:

Storrow Drive to the Fenway/Park Drive exit. At the top of the ramp, follow signs to the Riverway, which becomes the Jamaicaway and then Arborway. Follow signs to the Arnold Arboretum, located at the junction of the Arborway (Rte. 203) and Centre St. (Rte. 1). Drive through the Main Gate to the school drop-off area in front of the Hunnewell Building.

From the North or South:

Route I-95/128 to Rte. 9 east. Follow Rte. 9 for seven miles to the Riverway. Exit to the right onto the Riverway (Rte. 1 south) toward Dedham and Providence. Follow signs to the Arboretum, located at the intersection of Centre St. (Rte. 1) and the Arborway (Rte. 203). Drive through the Main Gate to the school drop-off area in front of the Hunnewell Building.

Route I-93 to Exit 11 (Granite Ave./Ashmont) onto Rte. 203 West. Follow Rte. 203 through Dorchester, past Franklin Park to the Arnold Arboretum. The Arboretum is on the left just beyond the Forest Hills Subway Station. At the rotary (near the western edge of the grounds) turn left at the lights, go around the rotary 360 degrees onto Rte. 203 in the opposite direction. The Main Gate is on the right, 50 yards beyond the rotary. Drive through the Main Gate to the school drop-off area in front of the Hunnewell Building.

Public Transportation

Orange Line to the Forest Hills Station. The Arboretum's Forest Hills Gate is a one-block walk northwest along the Arborway from the station. Once you enter the Forest Hills Gate, follow the road to the right about 500 yards to the Hunnewell Building located inside the Main Gate.

For Further Information

Contact the Education Specialist, Olmsted National Historic Site, 99 Warren Street, Brookline, MA 02445
tel: 617/566-1689, x 204
liza_stearns@nps.gov

From Pencil to Park

From Pencil to Park: Creating Imagined Spaces

○ Spring ○ Summer ○ Fall ○ Winter

Students taking part in this seventy-five minute program discover the relationship between industrialization and the emergence of the profession of landscape architecture, and learn the steps involved in designing landscapes that improve our quality of life. Students tour a century-old landscape design office to find out how the Olmsted firm turned ideas on paper into some of the country's most loved parks and public spaces. Original artifacts from the photographic archives, engineer's office, drafting room, planting and blueprinting departments, and historic vault prompt students to consider the impact of technology on people and the environment. An outdoor grounds exploration challenges students to speculate about the Olmsted firm's original design intent, and consider how different landscape designs and features affect human thought and feeling.

This program is under development. Pre- and post-visit teaching materials are not available at this time. Prior to a class visit, teachers are encouraged to contact the park for a copy of *From Pencil to Park*, a 20 –minute video that traces the history and contributions of Frederick Law Olmsted and the professional firm that continued his design work for nearly a century. The video is suitable for students in grades 8-12.

Ties to the Curriculum

This program supports the Massachusetts Curriculum Framework for History and Social Science (Learning Standards 1 & 10).

Target Audience

Grades 4-12

Class Size

15-30 students

1 : 15 chaperon to student ratio

Cost

FREE

Availability

Available year round.

Accessibility
The grounds, first floor exhibits, and video program are wheelchair accessible.

Food
Student groups can picnic outdoors on the grounds or on the grounds of the town reservoir one block from the site.

Rest Rooms
Indoor wheelchair accessible restrooms are available at the site.

Reserving a Program
Reservations are required and are recommended four weeks in advance. Contact the Education Specialist, Olmsted National Historic Site, 99 Warren Street, Brookline, MA 02445
tel: 617/566-1689, x 204
liza_stearns@nps.gov

Directions/Parking
Olmsted National Historic Site is located in a residential neighboorhood. Limited on-street bus parking is available.

Driving Directions
From Boston and points east:
Follow Huntington Avenue SW from the area of Copley Square. As you cross from Boston into Brookline beneath the Rt. 1/Jamaicaway overpass, Huntington Avenue becomes Rt. 9 /Boylston Street. Continue on Rt. 9/Boylston. At the third major intersection, turn left onto Warren Street and follow 1/8 mile to intersection of Warren and Dudley Streets. Olmsted NHS is on the right with a National Park Service sign and a distinctive archway at the front entrance to the property.

From Route I-95/128 and points west:
Take exit 20 (Rt. 9 East, Boston/Brookline). Follow Rt. 9/Boylston St. for approximately 5 miles. Pass through a major intersection with Lee Street and continue on Boylston, passing the Brookline Reservoir on the right. At the next intersection, turn right onto Warren Street and follow 1/8 mile to intersection of Warren and Dudley Streets. Olmsted NHS is on the right with a National Park Service sign and a distinctive archway at the front entrance to the property.

For Further Information
Contact the Education Specialist, Olmsted National Historic Site, 99 Warren Street, Brookline, MA 02445
tel: 617/566-1689, x 204
liza_stearns@nps.gov

> "In its influence as an educator, as a source of scientific interest, and its effect upon the health, happiness and comfort of our people, may be found the chief value of landscape."
>
> *Frederick Law Olmsted, Sr. 1870*

John F. Kennedy National Historic Site
83 Beals Street
Brookline, MA 02446
617/566-7937
www.nps.gov/joji

Programming Season
○ Spring ○ Summer ○ Fall ○ Winter

John F. Kennedy National Historic Site

John F. Kennedy National Historic Site preserves and interprets the 1917 birthplace and boyhood home of the 35th president of the United States. This modest home in Brookline, Massachusetts was also the first home shared by the president's parents, Joseph P. and Rose Fitzgerald Kennedy, and represents the social and political beginnings of one of the nation's most prominent families. Shortly after the president's assassination in 1963, the Kennedy family purchased the birthplace as a memorial and restored it to its 1917 appearance under the close supervision of Rose Kennedy.

The birthplace includes a collection of household furnishings, photographs, and mementos personally collected and arranged by the president's mother, and reflecting the lifestyle, pursuits, and interests of the Kennedy family. In addition, the site features an audiotape of the president's mother describing family activities and sharing personal anecdotes that convey the spirit of the home and family. Mrs. Kennedy's distinctly personal reminiscences provide historic context and allow visitors to imagine the early influences that helped shape the character and ambitions of the country's 35th president.

John F. Kennedy NHS

ESPECIALLY FOR SCHOOL GROUPS

"Let Us Begin..."

John F. Kennedy: "Let Us Begin..."

○ Spring ○ Summer ○ Fall ○ Winter

This classroom kit introduces students to the early influences, ideas, and motivations of the country's 35th president. Each kit contains teacher-directed, independent and small group activities including:

"Making a Difference" Slide Program personalizes Kennedy's journey from boyhood to presidency through primary source images and excerpts from journals, letters and speeches.

How Quickly Things Change Timeline Activity involves students in creating a graphic illustration of events and technological changes that influenced John F. Kennedy and informed presidential decision making.

Dictionary Detective Game enhances student vocabulary through a search for the definitions of terms related to presidency.

"Who Am I? Quiz Cards challenge students to learn about John F. Kennedy through independent research.

JFK Activity Book heightens students awareness of forces that influenced John F. Kennedy and prompts them to consider factors that inform their own motivations and aspirations.

In addition, the kit includes a list of references and resources to further teacher understanding of the Kennedy family and presidency, *Let Us Begin* buttons for each student, and a facsimile campaign poster for classroom display. Core activities can be accomplished in five forty-five minute lessons. Additional project suggestions offer opportunities to extend learning.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 1&2) with English Language Arts (Standard 9).

Target Audience

Grades 3-6 or ESL through grade 8

Class Size

15-30 students

Cost

$18.00 for three-week rental
$49.95 for purchase

Availability

Available year round.

Reserving a Program

The kit can be ordered by calling the park at 617/566-7937. Reservations recommended 2-3 weeks in advance.

For Further Information

Chief Interpreter, John F. Kennedy
National Historic Site, 83 Beals Street,
Brookline, MA 02446
tel: 617/566-7937

"Together let us explore the stars, conquer the deserts, eradicate disease, tap the ocean depths, and encourage the arts and commerce...

All this will not be finished in the first one hundred days. Nor will it be finished in the first one thousand days, nor in the life of this administration, nor even perhaps in our lifetime on this planet. But let us begin..."

John F. Kennedy
Inaugural address
January 20, 1961

Birthplace of J. F. K.

Birthplace of John F. Kennedy

○ Spring ○ Summer ○ Fall ○ Winter

Birthplace of John F. Kennedy is a reproducible lesson plan that uses primary and secondary sources to introduce high school students to John F. Kennedy and the forces that influenced his ideas, motivations, and presidency. Activities include research, writing, discussion, problem solving, and mapping. The lesson plan can be used as a biographical study, an introduction to the Kennedy presidency, or in support of civic studies exploring the role of individual, family, and community in shaping and sustaining society.

Students analyze, compare, and contrast information from maps, photos, and transcripts from an oral history conducted with the president's mother to form an understanding of the forces that influenced John F. Kennedy's ideas, motivations, and presidency. Small group and independent assignments engage students in analyzing biographical information and excerpts from Kennedy's inaugural address to assess the extent to which the values he learned as a child influenced his presidency.

Lesson can be accomplished in three forty-five minute lessons, with several independently accomplished homework assignments.

This lesson plan was developed through Teaching with Historic Places, a program of the National Park Service's National Register of Historic Places and the National Trust for Historic Preservation.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 1 & 3) with English Language Arts (Standard 10).

Target Audience

Grades 9-12.

Class Size

10-30 students

Cost

$7.50.

Availability

Available year round.

Reserving a Program

The lesson plan can be ordered by calling the park at 617/566-7937. Allow ten days for postal delivery.

For More Information

Chief Interpreter, John F. Kennedy
National Historic Site, 83 Beals Street,
Brookline, MA 02446
tel: 617/566-7937.

> "There is within each man a very special affection for the place of his birth..."
>
> *John F. Kennedy, 1963*

If These Walls Could Talk

If These Walls Could Talk: Tales from the Kennedy Birthplace

○ Spring

Students taking part in this one hour guided discovery tour uncover stories that help explain Kennedy's rise to presidency and his enduring belief in people's power to affect change. President John F. Kennedy spent the first four years of his life at 83 Beals Street in Brookline, Massachusetts. There, he acquired values and beliefs that informed his personal choices, career aspirations, and presidential decision-making. *If These Walls Could Talk* invites students to explore John F. Kennedy's childhood and consider the factors that influenced the making of a president.

This program is under development and does not include pre- or post-visit materials at this time. The site is in the process of developing an education strategy that identifies methods for linking park resources with school curricula. For updates, visit the park's website at www.nps.gov/jofi.

Ties to the Curriculum

This program supports the Massachusetts Curriculum Framework for History and Social Science (Standard 1).

Target Audience

Grades 3-5

Class Size

10-25 students
1 : 15 chaperon to student ratio

Cost

FREE

Availability

Limited spring availability.

Accessibility

The birthplace is not wheelchair accessible. Accommodations can be made for ambulatory wheelchair users to tour the first floor of the house.

Food

The site has no designated area for bag lunches. A variety of inexpensive restaurants are available within walking distance of the site.

Restrooms

Wheelchair accessible restrooms are available in the Visitor Center.

Reserving a Program

Reservations are required and are recommended four weeks in advance. Contact the Chief Interpreter, John F. Kennedy National Historic Site,
83 Beals Street, Brookline, MA 02446
tel: 617/566-7937

> "JFK... taught me that you should not judge people by the color of their skin, but judge them by their kindness... all that matters is what is inside."
>
> *Third Grade Student,*
> *Edward Devotion School*

Directions/Parking

John F. Kennedy National Historic Site is located in a residential neighborhood. Limited on-street bus parking is available.

Driving Directions

From the West:
Route I-90/Mass Turnpike to Allston/Brighton toll station. From Allston/Brighton off-ramp, merge onto Cambridge Street. Follow 3/4 mile. At second stoplight, turn left onto Harvard Street. Follow 3/4 mile, crossing Brighton and Commonwealth Avenues. After crossing Commonwealth Avenue, follow Harvard Street several blocks to Beals Street. Turn left onto Beals Street. Follow 3/4 block to #83.

From the North or South:
Route I-95/128 to Route 9/Brookline East. Follow Route 9 (Boylston Street) approximately 5 miles. Follow signs for Harvard Street and continue one mile across a major intersection with Beacon Street (Coolidge Corner). After four blocks, turn right onto Beals Street. Follow 3/4 block to #83.

Public Transportation

Green Line C (Cleveland Circle) train to the Coolidge Corner stop at the intersection of Beacon and Harvard Streets. Walk four blocks north on Harvard Street. Turn right onto Beals Street. Follow 3/4 block to #83.

For Further Information

Contact the Chief Interpreter, John F. Kennedy National Historic Site,
83 Beals Street, Brookline, MA 02446
tel: 617/566-7937.

Longfellow National Historic Site
105 Brattle Street
Cambridge, MA 02138
617/876-4491
www.nps.gov/long

Programming Season

○ Spring ○ Summer ○ Fall ○ Winter

Longfellow
National
Historic
Site

Longfellow National Historic Site preserves and interprets the home of poet and scholar Henry Wadsworth Longfellow, who, with family, friends, and contemporaries, made extraordinary contributions to the cultural renewal of nineteenth and early-twentieth century America and to the creation of a national identity. The site was also headquarters to George Washington during the Revolutionary War, 1775-1776. The site includes historic buildings, grounds, archives, and collections that provide the public with a wealth of opportunities for exploring the traditions, creativity, and diversity of eighteenth to early-twentieth century America.

Longfellow National Historic Site is closed through fall 2000 to complete a major rehabilitation project that includes creating a public programming space for school and community groups. While closed, the site continues to serve school audiences through off-site programs and classroom kits. Check the Longfellow National Historic Site website at www.nps.gov/long for updates on rehabilitation and programming.

Longfellow National Historic Site

ESPECIALLY FOR SCHOOL GROUPS

The Children's Hour

The Children's Hour Classroom Kit

○ Spring ○ Summer ○ Fall ○ Winter

This interdisciplinary kit introduces students to Henry Wadsworth Longfellow and the power of poetry. Students begin by examining the life and writings of Henry Wadsworth Longfellow to uncover how one man wove historical themes into popular tales that profoundly shaped the nation's understanding of its past. After considering the people and events that inspired Longfellow's poetry, students use writing skills, imagination, and personal experience to create poems of their own. Small group and independently accomplished activities are teacher-directed.

The kit contains:

A Slide Program that draws students into the nineteenth century through family photographs and journal entries, shedding light on everyday experiences that influenced Longfellow's poetry.

Dictionary Detective Game to help students decipher difficult vocabulary in Longfellow's poetry.

Who Am I? Quiz Cards that challenge students to learn more about Henry Wadsworth Longfellow through independent research.

Poetry Writing Workshop activities that teach students how to "build" a poem and engage them in individual and group poetry-writing exercises.

"I Am a Poet, Too!" buttons for each student.

Curriculum Corner with teacher suggestions for integrating the kit into classroom curriculum.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for English Language Arts (Standards 14 & 15) with History and Social Science (Standard 5).

Target Audience

Grades 3-6 and ESL through grade 8.

Class Size

15-30 students

Cost

$18.00 for three-week rental
$49.95 for sale

Availability

Available year round.

Reserving a Program
The kit can be ordered by calling the park at 617/876-4491. Reservations recommended 2-3 weeks in advance.

For Further Information
Education Coordinator, Longfellow
National Historic Site, 105 Brattle
Street, Cambridge, MA 02138
tel: 617/876-4491
kelly_fellner@nps.gov

Between the dark and the daylight
When the night is beginning to lower,
Comes a pause in the day's occupation,
That is known as the Children's Hour

From The Children's Hour
Henry Wadsworth Longfellow, 1859

Poetry and the Imagination

Poetry and the Imagination: The Legacy of Henry Wadsworth Longfellow

○ Spring ○ Fall

This one and one-half hour ranger-led classroom program explores the power of poetry and prompts students to consider how reading and writing poetry helps us learn about ourselves and our relationship with the world. Using poems, photographs, and excerpts from Longfellow family journals, students discover the sources of Longellow's inspiration and the tools he used to transform thoughts into poetic verse. Students then work in small groups to create a poem that conveys mood, thought, and feeling using poetic elements such as metaphor, simile, alliteration, rhyme, and rhythm. Students close by reading their poems aloud and trying their hands at writing with a reproduction nineteenth century quill pen similar to those used by Longfellow.

Teachers receive a Teacher's Guide with activities that prepare students for the classroom program and offer post-visit activities to extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standard 1) with English Language Arts (Standards 14 & 15).

Target Audience

Grades 3-6

Class Size

15-25 students

Cost

FREE

Availability

Available spring and fall.

Reserving a Program

Reservations are required and are recommended two months in advance. Contact the Education Program Coordinator at 617/876-4491.

For Further Information or to Reserve a Program

Contact the Education Program
Coordinator, Longfellow National
Historic Site, 105 Brattle Street,
Cambridge, MA 02138
tel: 617/876-4491
e-mail: kelly_fellner@nps.gov

"...poetry is the flower and perfume of thought, and a perpetual delight, clothing the common-place of life with 'golden exhalations of the dawn'."

Henry Wadsworth Longfellow, 1875

Castle Craigie

Within the Walls of Castle Craigie

○ Spring ○ Fall

Within the walls of Craigie Castle (as the house was known), Longfellow fused impressions of everyday events with imagination and a passion for storytelling to create poems that captivated readers throughout the country. Students taking part in this ninety-minute program explore the world of poetry by traveling through the home of one of the country's most prolific poets. A guided house tour links family anecdotes and primary sources with some of Longfellow's most popular poems, helping students make the connection between personal experience and poetic verse. Students then take part in a self-guided investigation of the grounds, using excerpts from family letters and journals, drawings, and games played by the Longfellow children to imagine the look and feel of the landscape during the Longfellow occupancy.

Teachers receive pre- and post-visit materials to prepare students for the on-site visit and extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 1 & 5) with English Language Arts (Standard 15).

Target Audience

Grades 3-12

Class Size

15- 30 students
1 : 15 chaperon to student ratio

Cost

FREE

Availability

Available spring and fall.

All houses wherein men have lived and died
Are haunted houses. Through the open doors
The harmless phantoms on their errands glide,
With feet that make no sound upon the floors…

Accessibility

This program is wheelchair accessible.

Food

Student groups can picnic outdoors at Longfellow Park, adjacent to the site. No outdoor facilities, tables, or trash receptacles. A number of restaurants are located in Harvard Square, a ten-minute walk from the site.

Restrooms

Wheelchair accessible restrooms are located at the Visitor Center.

Reserving a Program

Reservations are required and are recommended two months in advance. Contact the Education Coordinator, Longfellow National Historic Site, 105 Brattle Street, Cambridge, MA 02138
tel: 617/876-4491
kelly_fellner@nps.gov

Directions/Parking

Longfellow National Historic Site is located in a residentiol neighborhood. Two parking spaces are reserved for buses directly in front of the site on Brattle Street.

Driving Directions

From the West:

Route I-90/Mass Turnpike to the Allston/Cambridge exit towards Cambridge. Cross over bridge and turn left onto Memorial Drive. Follow Memorial Drive past major intersection with John F. Kennedy Street and bear right onto Hawthorne Street. Take next left onto Mt. Auburn Street and next right onto Willard Street. At the end of Willard Street, turn right onto Brattle Street. Longfellow NHS will be on your immediate left at #105.

From the North or South:

Route I-95/128 to Route 2 east towards Boston/Cambridge. Follow Fresh Pond Parkway through two rotaries, and turn left onto Mt. Auburn Street. Turn left onto Willard Street then right onto Brattle Street. Longfellow NHS will be on your immediate left at #105.

Public Transportation

Red Line to Harvard Square and follow signs out of the station for Church Street. Walk down Church Street to intersection of Church and Brattle Streets. Turn right onto Brattle and walk ten minutes to #105 on the right side of the street.

For Further Information

Education Coordinator, Longfellow National Historic Site, 105 Brattle Street, Cambridge, MA 02138
tel: 617/876-4491
kelly_fellner@nps.gov

...The stranger at my fireside cannot see
The forms I see, nor hear the sounds I hear;
He but perceives what is; while unto me
All that has been is visible and clear.

From Haunted Houses
Henry Wadsworth Longfellow, 1852

Mill City Print
Print
City

Lowell National Historical Park
67 Kirk Street
Lowell, MA 01852
978/970-5000
www.nps.gov/lowe www.uml.edu/tsongas

Programming Season

○ Spring ○ Summer ○ Fall ○ Winter

Lowell
National
Historical
Park

Lowell National Historical Park preserves and interprets the most significant planned industrial city in the United States and symbolizes, in physical form, America's industrial revolution. The park tells the human story of the industrial revolution and the changing role of technology in a nineteenth and twentieth century setting. The park includes historic cotton textile mills, 5.6 miles of canals, operating gatehouses, and worker housing.

The Tsongas Industrial History Center presents education programs for school groups visiting Lowell National Historical Park. Created through a partnership between Lowell National Historical Park and the University of Massachusetts Lowell Graduate School of Education, the Tsongas Center provides interdisciplinary, experiential learning experiences for students that link with national and state curriculum standards. On-site programs consist of a full day of hands-on activities and interpretation of historic sites.

Lowell National Historical Park

Bale to Bolt

ESPECIALLY FOR SCHOOL GROUPS

Bale to Bolt

○ Spring ○ Summer ○ Fall ○ Winter

The shift from craft production in the home to industrial production in factories was a fundamental part of the Industrial Revolution. Although the principle steps in the process of making cloth remained the same, the nature of work and the role of the workers changed dramatically. Students participating in this ranger or museum teacher-led program explore the changes in weaving bought about by changes in technology, and uncover the impact these changes had on workers and the nature of work. The program includes a ninety minute interpretive tour and a ninety minute hands-on workshop. During the tour, students visit the restored "mill girl" boardinghouse and the Boott Cotton Mills Museum. Standing among roaring machines, students are challenged to consider the hazards of mill work and worker responses to these conditions. In the workshop, students work in pairs and learn to weave on hand looms. Then, students explore how the process of weaving changed with the advent of new technologies, and discuss the impact of these changes on workers and our understanding of work.

Teachers receive an Overview Guide, a *Bale to Bolt* Activity Guide with pre- and post-visit materials, and three historic photographs.

Ties to the Curriculum

This interdisciplinary program links the Massachusetts Curriculum Frameworks for History and Social Science (Standards 6, 9 & 13) with Science & Technology (Strand 4).

Target Audience

Grades 4-12

Class Size

30 students
1:10 chaperon to student ratio

Cost

$135.00 per class

Availability

Available mid-September through mid-June. Summer workshops are also available by reservation.

Accessibility

The program is wheelchair accessible.

Food

Student groups bring brown bag lunches and eat in the Moody Street Feeder lunchroom as part of their program schedule.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To make a reservation call 978/ 970-5000. Reservations for the following school year open on a weekday closest to May 1.

Directions/Parking

The Tsongas Industrial History Center is located in the Boott Cotton Mills Museum. Follow the directions to the Tsongas Center. From Route 495 or Route 3, take the Lowell Connector to the end. Turn left onto Gorham Street, which becomes Central St. Proceed through four traffic lights. At the fifth set of lights the road forks. Take right fork (Prescott St.). Follow Prescott one block to the traffic light. Cross Merrimack Street at traffic lights. After crossing Merrimack, proceed to next set of lights and turn left onto French Street. Bus drop-off/loading area is one block ahead, just beyond the driveway into Boott Mills. Drop-off area is clearly marked.

For Further Information

Contact the Tsongas Center at 978/970-5080 or visit the Tsongas Center website at www.uml.edu/tsongas.

By 1848, Lowell was producing 50,000 miles of cotton cloth—enough to circle the world twice—each year!

Yankees and Immigrants

Yankees and Immigrants

○ Spring ○ Summer ○ Fall ○ Winter

Students participating in this ranger or museum teacher-led program discover how industrialization affected the lives of the early Yankee "mill girls" and successive groups of immigrants that worked in Lowell's mills. The program includes a ninety minute interpretive tour of historic resources and a ninety minute hands-on workshop. During the tour, students investigate a restored mill boardinghouse where they use primary sources to learn about the experiences of women who left New England farms for Lowell's factories in the early to mid-nineteenth century. In the workshop, students assume the roles of actual immigrants who left their country for work in Lowell's mills. Using maps, role-cards, and authentic artifacts students piece together their immigrant experience and take part in a role-play that portrays their experience to classmates. A visit to the restored weave room of the Boott Cotton Mills Museum gives students an opportunity to hear the sound of operating power looms and prompts them to imagine the working and after work hours of Lowell's many factory workers.

Teachers receive an Overview Guide, a *Yankees and Immigrants* Activity Guide with pre- and post-visit materials, and three historic photographs.

Ties to the Curriculum

This program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 2, 3, 9 & 13) with English Language Arts (Standards 8, 9 & 18).

Target Audience

Grades 4-12

Class Size

30 students
1:10 chaperon to student ratio

Cost

$135.00 per class

Availability

Available mid-September through mid-June. Summer workshops are also available by reservation.

Accessibility
The program is wheelchair accessible.

Food
Student groups bring brown bag lunches and eat in the Moody Street Feeder lunchroom as part of their program schedule.

Restrooms
Wheelchair accessible restrooms are available.

Reserving a Program
Reservations are required and are recommended as far in advance as possible. To make a reservation call 978/ 970-5000. Reservations for the following school year open on a weekday closest to May 1.

Directions/Parking
The Tsongas Industrial History Center is located in the Boott Cotton Mills Museum. Follow the directions to the Tsongas Center. From Route 495 or Route 3, take the Lowell Connector to the end. Turn left onto Gorham Street, which becomes Central St. Proceed through four traffic lights. At the fifth set of lights the road forks. Take right fork (Prescott St.). Follow Prescott one block to the traffic light. Cross Merrimack Street at traffic lights. After crossing Merrimack, proceed to next set of lights and turn left onto French Street. Bus drop-off/loading area is one block ahead, just beyond the driveway into Boott Mills. Drop-off area is clearly marked.

For Further Information
Contact the Tsongas Center at 978/970-5080 or visit the Tsongas Center website at www.uml.edu/tsongas.

> "My family had its own land, you know...[but] it got burned when the Vietnamese came in. I don't know who is taking that land now... I don't have anything left. Not even a picture of my father... just a pair of clothes."

Chanthy Duong
Immigrant, early 1980s

Workers on the Line

Workers on the Line

○ Spring ○ Summer ○ Fall ○ Winter

This ranger or museum teacher-led program includes a ninety minute interpretive tour and a ninety minute hands-on workshop providing students with the opportunity to explore the Industrial Revolution as a time that changed the nature of work and the relative power of workers and owners. Students visit the Boott Cotton Mills Museum with its operating power looms and focus on the issues that led workers to resist owners: low pay, long hours, hazardous working conditions, and a general loss of control over their lives. In the workshop, students become workers on textile printing assembly lines and experience "speed ups," "stretch outs," pay cuts, organizing, protests, strikes, and negotiation based on real events.

Teachers receive an Overview Guide, a *Workers on the Line* Activity Guide with pre- and post-visit materials, and three historic photographs.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 4 & 12) with Science & Technology (Strand 3).

Target Audience

Grades 4-12

Class Size

30 students
1:10 chaperon to student ratio

Cost

$135.00 per class

Availability

Available mid-September through mid-June. Summer workshops are also available by reservation.

Accessibility

The program is wheelchair accessible.

Food

Student groups bring brown bag lunches and eat in the Moody Street Feeder lunchroom as part of their program schedule.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To make a reservation call 978/970-5000. Reservations for the following school year open on a weekday closest to May 1.

Directions/Parking

The Tsongas Industrial History Center is located in the Boott Cotton Mills Museum. Follow the directions to the Tsongas Center. From Route 495 or Route 3, take the Lowell Connector to the end. Turn left onto Gorham Street, which becomes Central St. Proceed through four traffic lights. At the fifth set of lights the road forks. Take right fork (Prescott St.). Follow Prescott one block to the traffic light. Cross Merrimack Street at traffic lights. After crossing Merrimack, proceed to next set of lights and turn left onto French Street. Bus drop-off/loading area is one block ahead, just beyond the driveway into Boott Mills. Drop-off area is clearly marked.

For Further Information

Contact the Tsongas Center at 978/970-5080 or visit the Tsongas Center website at www.uml.edu/tsongas.

> "Union is power!"
>
> *Sarah Bagley, Voice of Industry*

Power to Production

Power to Production

○ Spring ○ Summer ○ Fall ○ Winter

This ranger or museum teacher-led program includes a ninety minute interpretive tour and a ninety minute hands-on workshop. The tour and workshop provide students with the opportunity to explore a common topic: the role of waterpower in the Industrial Revolution. Rushing water was the life blood of America's early Industrial Revolution. Countless mountain streams spilled together into the rivers of New England to create a vast source of potential energy. At a bend in the Merrimack River, bold men of vision captured this waterpower and built the most advanced power system in the world. During the tour, students travel aboard a turn-of-the-century trolley to the Suffolk Mill where they trace the transfer of waterpower from canal to turbine, and along the lineshafts, belts, and pulleys to a power loom producing cotton cloth. The hands-on workshop complements the tour by bringing the significance of these historic resources to life as students build their own waterpower systems and test their own waterwheels.

Teachers receive an Overview Guide, a *Power to Production* Activity Guide with pre- and post-visit materials, and three historic photographs.

Ties to the Curriculum
This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 6 and 10) with Science & Technology (Strand 1) and Mathematics (Strand 1).

Target Audience
Grades 4-12

Class Size
30 students
1:10 chaperon to student ratio

Cost
$135.00 per class

Availability
Available mid-September through mid-June. Summer workshops are also available by reservation.

Accessibility
The program is wheelchair accessible.

Food
Student groups bring brown bag lunches and eat in the Moody Street Feeder lunchroom as part of their program schedule.

Restrooms
Wheelchair accessible restrooms are available.

Reserving a Program
Reservations are required and are recommended as far in advance as possible. To make a reservation call 978/ 970-5000. Reservations for the following school year open on a weekday closest to May 1.

Directions/Parking
The Tsongas Industrial History Center is located in the Boott Cotton Mills Museum. Follow the directions to the Tsongas Center. From Route 495 or Route 3, take the Lowell Connector to the end. Turn left onto Gorham Street, which becomes Central St. Proceed through four traffic lights. At the fifth set of lights the road forks. Take right fork (Prescott St.). Follow Prescott one block to the traffic light. Cross Merrimack Street at traffic lights. After crossing Merrimack, proceed to next set of lights and turn left onto French Street. Bus drop-off/loading area is one block ahead, just beyond the driveway into Boott Mills. Drop-off area is clearly marked.

For Further Information
Contact the Tsongas Center at 978/970-5080 or visit the Tsongas Center website at www.uml.edu/tsongas.

At a bend in the Merrimack River, bold men of vision captured this water power and built the most advanced power system in the world.

Invention Factories

Invention Factories

○ Spring ○ Summer ○ Fall ○ Winter

Students taking part in this ranger or museum teacher-led program explore invention and its significance to the modern world. The program includes a ninety minute interpretive tour and a ninety minute hands-one workshop. During the tour, students travel to the Suffolk Mill where they learn about the many inventions that fueled the industrial revolution in textile production. They observe the process from start to finish, beginning with the spin of a restored turbine and concluding with the roar of an early twentieth century power loom. At the Visitor Center they see *The Industrial Revelation*, a twenty minute award wining multi-media presentation. During the workshop, students are provided with Googolplex® and challenged to design and build a cart that securely holds a variety of mill-related objects as it rolls down a fifteen-foot ramp and across a "finish line." Each team prepares a "patent application" that requires them to convey the essence of their invention through artistic and verbal descriptions.

Teachers receive an Overview Guide, an *Invention Factories* Activity Guide with pre- and post-visit materials, and three historic photographs.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for Science and Technology (Strands 1, 3 & 4) with English Language Arts (Standard 2).

Target Audience

Grades 4-12

Class Size

30 students
1:10 chaperon to student ratio

Cost

$135.00 per class

Availability

Available mid-September through mid-June. Summer workshops are also available by reservation.

Accessibility

The program is wheelchair accessible.

Food

Student groups bring brown bag lunches and eat in the Moody Street Feeder lunchroom as part of their program schedule.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To make a reservation call 978/ 970-5000. Reservations for the following school year open on a weekday closest to May 1.

Directions/Parking

The Tsongas Industrial History Center is located in the Boott Cotton Mills Museum. Follow the directions to the Tsongas Center. From Route 495 or Route 3, take the Lowell Connector to the end. Turn left onto Gorham Street, which becomes Central St. Proceed through four traffic lights. At the fifth set of lights the road forks. Take right fork (Prescott St.). Follow Prescott one block to the traffic light. Cross Merrimack Street at traffic lights. After crossing Merrimack, proceed to next set of lights and turn left onto French Street. Bus drop-off/loading area is one block ahead, just beyond the driveway into Boott Mills. Drop-off area is clearly marked.

For Further Information

Contact the Tsongas Center at 978/970-5080 or visit the Tsongas Center website at www.uml.edu/tsongas.

> "[Francis Cabot Lowell] invited me to go with him and see the loom operate. I well recollect the state of admiration and satisfaction with which we sat by the hour, watching the beautiful movement of this new and wonderful machine..."
>
> *Nathan Appleton*
> *Boston Associate, 1858*

Change in the Making

Change in the Making

○ Spring ○ Fall ○ Winter

Students taking part in *Change in the Making* explore the Industrial Revolution as a time that forever changed the way Americans work, live, and use the land. The program includes three forty-five minute hands-on workshops and a thirty minute interpretive tour led by a ranger or museum teacher. In the *Invention* workshop, students compare doing work by hand with doing work using a simple machine. In *Farmhouse to Boardinghouse*, students become young farm and factory workers as they try on nineteenth century clothing and discuss where factory workers came from, reasons for leaving home, housing, work, how people traveled to the city, and more. Around a large floor map of the Merrimack River area in *Country to City*, students help to tell a multi-sensory story about how land and the river were used and changed over time. The tour includes the Boott Cotton Mills Museum operating weave room, the restored "mill girl" boardinghouse in the Working People Exhibit, and an activity that engages students in creating a "human loom."

Teachers receive an Overview Guide, a *Change in the Making* Activity Guide with pre- and post-visit, and three Historic Photographs.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Studies (Standards 1, 6 & 9) with Science & Technology (Strand 3) and English Language Arts (Standards 1 & 2).

Target Audience

Grades 3-4

Class Size

30 students

1:10 chaperon to student ratio

Cost

$135.00 per class

Availability

Available October - March.

Accessibility

The program is wheelchair accessible

Food

Student groups bring brown bag lunches and eat in the Moody Street Feeder lunchroom as part of their program schedule.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To make a reservation call 978/ 970-5000. Reservations for the following school year open on a weekday closest May 1.

Directions/Parking

The Tsongas Industrial History Center is located in the Boott Cotton Mills Museum. Follow the directions to the Tsongas Center. From Route 495 or Route 3, take the Lowell Connector to the end. Turn left onto Gorham Street, which becomes Central St. Proceed through four traffic lights. At the fifth set of lights the road forks. Take right fork (Prescott St.). Follow Prescott one block to the traffic light. Cross Merrimack Street at traffic lights. After crossing Merrimack, proceed to next set of lights and turn left onto French Street. Bus drop-off/loading area is one block ahead, just beyond the driveway into Boott Mills. Drop-off area is clearly marked.

For Further Information

Contact the Tsongas Center at 978/970-5080 or visit the Tsongas Center website at www.uml.edu/tsongas.

"All was expectancy. Changes were coming. Things were going to happen, nobody could guess what."

Lucy Larcom
A New England Girlhood, 1889

River as a Classroom

River as a Classroom

○ Spring ○ Fall

Students participating in this ranger or museum teacher-led program explore the story of one river, the Merrimack, from its origin as a pristine confluence of two New Hampshire streams to its heydey as a transportation/manufacturing power source, to the present when efforts are being made to restore the river to health and human use compatible with the river as an ecosystem. The program includes a ninety minute interpretive tour and a ninety minute hands-on workshop. During the tour onboard a National Park Service boat, students assess the health of the river using a variety of water quality tests and also visit the historic Pawtucket Gatehouse to learn about human alteration and regulation of the river. The workshop at the boathouse features activities that address human impact on the river. Students are given a variety of roles as river "polluters" then have the job of cleaning up the river.

Teachers receive an Overview Guide, a *River as a Classroom* Activity Guide with pre- and post-visit materials, and three historic photographs.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Studies (Standards 1 & 6) with Science & Technology (Strand 4) and Mathematics (Standards 3 & 4).

Target Audience

Grades 5-8

Class Size

30 students
1:10 chaperon to student ratio

Cost

$240.00 per class

Availability

Available spring and fall.

Accessibility

The program is wheelchair accessible.

Food

Student groups bring lunches and eat outdoors on the boathouse deck. A sheltered eating area is available in the event of rain.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To make a reservation call 978/ 970-5000. Reservations for the following school year open on a weekday closest May 1.

Directions/Parking

The Tsongas Industrial History Center is located in the Boott Cotton Mills Museum. Follow the directions to the Tsongas Center. From Route 495 or Route 3, take the Lowell Connector to the end. Turn left onto Gorham Street, which becomes Central St. Proceed through four traffic lights. At the fifth set of lights the road forks. Take right fork (Prescott St.). Follow Prescott one block to the traffic light. Cross Merrimack Street at traffic lights. After crossing Merrimack, proceed to next set of lights and turn left onto French Street. Bus drop-off/loading area is one block ahead, just beyond the driveway into Boott Mills. Drop-off area is clearly marked.

For Further Information

Contact the Tsongas Center at 978/970-5080 or visit the Tsongas Center website at www.uml.edu/tsongas.

> "If you want to figure out how appropriate a lifestyle is for the land you're living on, find out where the water comes from…the watershed [is] a core concept for basic nature literacy."
>
> Robert Hass
> *Poet Laureate of the United States, 1995-1997*

Riverworks

Riverworks

○ Spring

Students taking part in this ranger or museum teacher-led program explore the mighty Merrimack River as an important resource today – how it continues to "work" for us as we rely on it for energy, drinking water, and recreation. The program includes a ninety minute interpretive tour and a ninety minute hands-on workshop. During the interpretive tour, students visit the Suffolk Mill to see how power canals fed waterwheels and later turbines to power machinery in the early mills. Next, they visit the Field Hydroelectric Plant to watch as waterpower is converted to energy by today's technology. A workshop at the boathouse features activities that explore human impact on the river. Students are given a variety of roles as river "polluters" then have the job of cleaning up the river.

Teachers receive an Overview Guide, a *RiverWorks* Activity Guide with pre- and post-visit materials, and three historic photographs.

Ties to the Curriculum

This interdisciplinary program links the Massachusetts Curriculum Frameworks for History and Social Studies (Standards 1 & 6) with Science & Technology (Strand 4) and Mathematics (Standard 3 & 4).

Target Audience

Grades 5-8

Class Size

30 students
1:10 chaperon to student ratio

Cost

$135.00 per class

Availability

Available April through mid-May.

Accessibility

The program is wheelchair accessible

Food

Student groups bring lunches and eat outdoors on the boathouse deck. A sheltered eating area is available in the event of rain.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To make a reservation call 978/ 970-5000. Reservations for the following school year open on a weekday closest May 1.

Directions/Parking

The Tsongas Industrial History Center is located in the Boott Cotton Mills Museum. Follow the directions to the Tsongas Center. From Route 495 or Route 3, take the Lowell Connector to the end. Turn left onto Gorham Street, which becomes Central St. Proceed through four traffic lights. At the fifth set of lights the road forks. Take right fork (Prescott St.). Follow Prescott one block to the traffic light. Cross Merrimack Street at traffic lights. After crossing Merrimack, proceed to next set of lights and turn left onto French Street. Bus drop-off/loading area is one block ahead, just beyond the driveway into Boott Mills. Drop-off area is clearly marked.

For Further Information

Contact the Tsongas Center at 978/970-5080 or visit the Tsongas Center website at www.uml.edu/tsongas.

The history of Lowell and America's Industrial Revolution begins with the story of a river...

Water Under Fire

Water Under Fire

○ Spring ○ Fall ○ Late Winter

Students are introduced to the environmental impacts of industrialization in a two-hour groundwater lab during which they observe the movement of contaminants through the soils in a groundwater simulation tank. They then extend their experience by executing similar scenarios on a computer model used by hydrogeologists in the field.

A boat tour or a walking tour is available to high school groups. During the 90 minute tour portion of the high school program, students monitor the health of canals and the Merrimack River using Hach colorimeters to perform a number of water quality tests to make the connection that all surface water ends up in the groundwater at some point. They also will see and learn about the "Brownfields," old industrial sites and buildings that are being rehabilitated and used in exciting ways as for the new Tsongas Arena and the LeLacheur Baseball Park.

In the 8th grade version, the tour focus will the impacts of industrialization and urbanization on the water resources of the Merrimack River.

Teachers receive an overview guide, and a Water Under Fire pre- and post-visit activity booklet.

Ties to the Curriculum

This integrated science program links Massachusetts Curriculum frameworks for Inquiry, (Strand 1); Forces and motion (Strand 2 - Physical Science), Geochemical Processes and Cycles in the Earth System (Strand 2, Earth & Space Sciences); The nature and impact of technology (Strand 3, Technology); and Science, Technology and Human Affairs (Strand 4).

Target Audience

Grades 8-10

Class Size

30 students
1:10 chaperon to student ratio

Cost

$240 per boat program, maximum 25 students
$135 foot-tour version

Availability

Boat program: September through mid-October; Mid-May through June.
Foot tour: September through November; April through Mid-May.
8th grade program: available mid-October through Mid-May.

Accessibility
The program is wheelchair accessible.

Food
Students groups bring lunches and eat in lunchroom inside the lab facility.

Restrooms
Wheelchair accessible restrooms are available.

Reserving a Program
Reservations are required and are recommended as far in advance as possible. To make a reservation, call 978/970-5000. Reservations for the following school year open on the weekday closest to May 1.

Directions/Parking
Water Under Fire takes place at the Wannalancit Mill Building and **not** at the Tsongas Center at the Boott Mill. From Rt. 495, take exit 38 (Route 38) west. Stay on Rt 38 (there is a traffic light at split road, bear right there). Turn left at light at Merrimack Street, (Saints Memorial Hospital to your left). Go down five city blocks and turn right onto John Street . Go down two blocks and turn left onto French Street. Wannalancit Mill is about 1/2 mile down on right. Go past the mill building to the other end and turn right onto Cabot St. Turn right turn onto Hall St. Proceed to the corner of Hall and Suffolk, pull over, and discharge the students there. A museum teacher will be watching for your group. The entrance to the lab is in the middle of the Suffolk Street block. There is a drive into the millyard with a security gate. The entrance is the first set of doors on your immediate left . The lab door is the first on the right inside.

For Further Information
Contact the Tsongas Center at 978/970-5080 or visit the Tsongas Center website at www.uml.edu/tsongas.

"Water is the one substance from which the earth can conceal nothing; it sucks out its innermost secrets and brings them to our very lips."

Jean Giraudoux,
The Madwoman of Chaillot, 1946

Farm to Factory

Lowell Industrial Learning Experience: Farm to Factory

○ Spring ○ Fall ○ Winter

Farm to Factory is a ninety minute outreach program presented at the school. The program focuses on the transition from an agrarian society to an industrial society as experienced by a young woman who leaves her family farm to work in a Lowell mill. Two members of the class dress in nineteenth century reproduction clothing, and each member of the class has the chance to pick, card, and spin wool. A ranger or museum-teacher leads a discussion of the weaving process in the mills and the changes industrialization brought about in people's lives. The program culminates with students weaving cloth on small hand looms.

Teachers receive an Overview Guide and *LILE* Activity Guide with pre- and post-visit materials.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 1 & 2) with English Language Arts (Standard 8).

Target Audience

Grades 4-5

Class Size

30 students

Cost

$100.00 per class for the first program, $75.00 for successive same day programs

Availability

Available October - March.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To make a reservation call 978/ 970-5000. Reservations for the following school year open on a weekday closest May 1.

For Further Information

Contact the Tsongas Center at 978/970-5080 or visit the Tsongas Center website at www.uml.edu/tsongas.

> "...At first the hours seemed very long, but I was so interested in learning that I endured it very well; and when I went out at night the sound of the mill was in my ears, as of crickets, frogs and jewsharps, all mingled together in strange discord."

Harriet Farley, "Letters from Susan"
The Lowell Offering, 1844

Immigration

Lowell Industrial Learning Experience: Immigration

○ Spring ○ Fall ○ Winter

Immigration is a sixty or ninety minute hands-on outreach program presented at the school. Using the words and feelings of actual immigrants to Lowell, Massachusetts, the program explores themes common to immigrants: the decision to leave; the journey over; initial hardships; preserving culture; and becoming an "American." Students use primary source quotations from oral histories to take on the roles of immigrants and present their findings to the class.

Teachers receive an Overview Guide and a *LILE* Activity Guide with pre- and post-visit materials.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 1, 2 & 4) with English Language Arts (Standards 1, 2 & 3).

Target Audience

Grades 5-8

Class Size

30 students

Cost

$100.00 per class for the first program, $75.00 for successive same day programs

Availability

Available October - March.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To make a reservation call 978/ 970-5000. Reservations for the following school year open on a weekday closest May 1.

For Further Information

Contact the Tsongas Center at 978/970-5080 or visit the Tsongas Center website at www.uml.edu/tsongas.

> "I left Greece and took the train and I went to Patras... from Patras, I took the boat and it took me about thirty days to come here... They took us to Ellis Island. And from there...I came to New York, and from New York I took a ferry...to Newport, Rhode Island... From Newport, I took the train and came to Lowell."

Spiro Los
Born in Greece, ca. 1890
Immigrated ca. 1910

The World of Barilla Taylor

The World of Barilla Taylor

○ Spring ○ Fall ○ Winter

This classroom kit invites students to enter the world of 15-yeear old Barilla Taylor, a young woman who left her family farm in rural Maine in 1843 for work in Lowell's textile mills. By examining documents relevant to Taylor's farm and factory experiences, students learn about the history and significance of early industrial America and the ways in which industrialization affected the role and status of women. In groups, students research different aspects of Barilla's life using letters, city directories, hospital records, maps, and photographs with sets of questions to guide their discovery.

Ties to the Curriculum

This interdisciplinary kit links the Massachusetts Curriculum Frameworks for History and Social Science (Standards 1 & 3) with English Language Arts (Standard 2).

Target Audience

Grades 7-12

Cost

Three-week rental fee is $40.00, including mailing costs

Availability

Available fall, winter, and spring.

Reserving a Program
Reservations are required. To rent a kit call 978/970-5080.

For Further Information
Contact the Tsongas Center at 978/970-5080 or visit the Tsongas Center website at www.uml.edu/tsongas.

"Understanding that you intend to visit... the states of Vermont & New York, I will thank you to engage for the Merrimack Company any smart, active & healthy girls whom you happen to meet who would like to come to Lowell...You will please engage only such persons as sustain a good character, and as you think will prove useful hands to the company..."

John Clark
Supt. Merk. Mfg. Co.

Self-Guided Tours

Self-Guided Tours of Lowell National Historical Park

○ Spring ○ Fall ○ Winter

This new option allows a class, led by their classroom teacher, to follow a planned schedule of site visits within Lowell National Historical Park. Well-marked sites are within comfortable walking distance and clear pre-visit instructions are provided. During the two hour visit, students explore the changing nature of work during the Industrial Revolution. Students view the award-winning multi-media presentation *Lowell: The Industrial Revelation*, stand among the roaring looms in the restored weave room of the Boott Cotton Mills Museum, and tour a restored boardinghouse to examine primary source documents that tell about the daily lives of the nineteenth century working women who lived there.

Teachers receive the *Industrial Revolution* Activity Guide with pre-visit materials to prepare students for the program and post-visit materials to extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 6, 9 & 13) with Science and Technology (Strand 4).

Target Audience

Grades 4-12

Class Size

Group of 30 including 1 : 10 chaperon to student ratio

Cost

$95.00 for a group of 30, including chaperons

Availability

Available mid-September through mid-June.

Accessibility
The program is wheelchair accessible.

Food
No indoor lunchroom is available; student groups may eat outdoors in Boardinghouse Park.

Restrooms
Wheelchair accessible restrooms are available.

Reserving a Program
Reservations are required and are recommended as far in advance as possible. To make a reservation call 978/ 970-5000. Reservations for the following school year open on a weekday closest May 1.

Directions/Parking
Take the Lowell Connector from either Route 495 (Exit 35C) or Route 3 (Exit 30A) to Thorndike Street (Exit 5B). Follow the brown and white "Lowell National and State Park" signs. Parking is available in the Visitor Center Parking Lot next to Market Mills.

For Further Information
Contact the Tsongas Center at 978/970-5080 or visit the Tsongas Center website at www.uml.edu/tsongas.

"These girls...leaders were healthy in appearance, many of them remarkably so, and had the manners and deportment of young women: not of degraded brutes of burden."

Charles Dickens
American Notes. 1842

Minute Man National Historical Park
174 Liberty Street
Concord, MA 01742
978/369-6993
www.nps.gov/mima

Programming Season

○ Spring ○ Summer ○ Fall ○ Winter

Minute
Man
National
Historical
Park

Minute Man National Historical Park preserves and interprets the significant historic sites, structures, properties, and landscapes associated with the opening battles of the American Revolution. On April 19, 1775, colonial militia men took up arms in defense of their rights and clashed with British regulars, igniting a war that led to the creation of the United States of America. The Park interprets the colonial struggle for natural rights and freedoms and is a global symbol of the universal struggle for liberty.

Minute Man National Historical Park consists of over 900 acres of land which wind along original segments of the April 19, 1775 Battle Road. Features include the North Bridge, site of "the shot heard round the world;" the Minute Man statue; and a new visitor center featuring *The Road to Revolution*, a multi-media theater program that can be effectively combined with student programs. In addition to revolutionary significance, the park preserves and interprets the nineteenth century literary revolution through The Wayside, home to Nathaniel Hawthorne, Louisa May Alcott, and Margaret Sidney.

Minute Man NHP

ESPECIALLY FOR SCHOOL GROUPS

Brother Johnathan and Thomas Lobster

Brother Johnathan and Thomas Lobster

○ Spring ○ Fall ○ Winter

Students participating in this one hour program learn about the soldiers who fought at Concord's North Bridge on April 19, 1775. Students meet a Colonial Militia Man or a British Soldier (portrayed by a park ranger) at the Minute Man Visitor Center and explore the soldier's knapsack to learn about the food, clothing, and weapons carried by British and Colonial soldiers. Students then take part in a mini militia muster that provides an opportunity for them to drill with wooden muskets, make a dummy musket cartridge, and examine the musket carried by both sides during battle. During the course of the program, the complexity of the April 19, 1775 battle at Concord's North Bridge emerges as students uncover clues that allow them to compare and contrast the experiences and perceptions of British Regulars and Colonial Minute Men.

Ties to the Curriculum

This program supports the Massachusetts Curriculum Framework for History and Social Science (Standards 1, 2 & 4).

Target Audience

Grades 1-8

Class Size

max. 45 students
1 : 10 chaperon to student ratio

Cost

$100

Availability

Available spring, fall, and winter.

Accessibility

This program is wheelchair accessible.

Food

Student groups may eat outdoors on the grounds.

Restrooms

Wheelchair accessible restrooms are located at the Minute Man Visitor Center.

Reserving a Program

Reservations are required and recommended three weeks in advance. Contact the Education Program Coordinator at 978/369-6993, x 32.

Directions/Parking

Bus parking is available at the Minute Man Visitor Center parking lot.

Driving Directions

From the North :

Route 3 or Route I-93 to Route I-95/128 south to exit 30B Concord/Hanscom AFB. Take Route 2A West, following signs for Minute Man National Historical Park. After passing over a small knoll, you will see "Welcome to Minute Man NHP" signs. The entrance to Minute Man Visitor Center Parking Lot is 1/2 mile ahead on the right just past the "Entering Lincoln" sign.

From the South :

Route I-95/128 north to exit 30 Concord/Hanscom AFB. Take Route 2A West, following signs for Minute Man National Historical Park. After passing over a small knoll, you will see "Welcome to Minute Man NHP" signs. The entrance to Minute Man Visitor Center Parking Lot is 1/2 mile ahead on the right just past the "Entering Lincoln" sign.

From the East or West:

Route 2 into Concord to Route 2A West, following signs for Minute Man National Historical Park. After passing over a small knoll, you will see "Welcome to Minute Man NHP" signs. The entrance to Minute Man Visitor Center parking lot is 1/2 mile ahead on the right just past the "Entering Lincoln" sign.

For Further Information

Education Program Coordinator,
Minute Man National Historical Park,
174 Liberty Street Concord, MA 01742
tel: 978/369-6993, x 32
mark_nichipor@nps.gov

> "I learned a lot about the people who fought the battle... and had fun!"

Student at the Spring Street School
Shrewsbury, MA

A View from the Participants

A View from the Participants

○ Spring ○ Fall ○ Winter

Students participating in this one hour program use primary sources to develop a narrative account of what happened at Concord's North Bridge on April 19, 1775. The program begins at the North Bridge Visitor Center where each student receives a card with a picture of someone who participated in the battle and a short statement about what happened that day from the perspective of the participant. A park ranger then takes students on a guided walk to the North Bridge, narrating events of April 19, 1775 and stopping periodically to have students read the words of battle participants. Conflicting interpretations and perceptions of the battle prompt students to consider the sources and origins of history. At the end of the walk, students collaboratively "write" a history of what happened on April 19, 1775 based on perspectives and interpretations uncovered during the program.

Ties to the Curriculum

This program supports the Massachusetts Curriculum Framework for History and Social Science (Standards 1, 2 & 3).

Target Audience

Grades 5-12

Class Size

max. 45 students

1 : 10 chaperon to student ratio

Cost

$100

Availability

Available spring, fall, and winter.

Accessibility

This program is wheelchair accessible.

Food

Student groups may eat outdoors on the grounds.

Restrooms

Wheelchair accessible restrooms are located at the North Bridge Visitor Center.

Reserving a Program

Reservations are required and recommended three weeks in advance. Contact the Education Program Coordinator at 978/369-6993, x 32.

Directions/Parking

Bus parking is available at the North Bridge Visitor Center parking lot.

Driving Directions

From the North:

Route 3 and Route I-93 to Route I-95 south to Exit 30B Concord/Hanscom AFB. Follow Route 2A west as directed below.

From the South:

Route 128 north to Exit 30 Concord/Hanscom AFB. Follow Route 2A West as directed below.

From the East or West:

Route 2 to Route 2A west and follow directions below.

Take Route 2A west, following signs for Minute Man National Historical Park. Travel past the entrance to Minute Man Visitor Center Parking Lot on your right. At the second blinking light, bear right, following signs for "Historic Concord." Travel @ 3 miles to the center square in Concord. Proceed straight through the rotary to Monument Street directly in front of the Colonial Inn Restaurant. Take a right onto Monument Street and follow past the North Bridge Parking Lot to Liberty Street (@ 1.5 miles). Take a left onto Liberty Street. The entrance to the North Bridge Visitor Center parking lot is at the top of the hill on the left.

For Further Information

Education Program Coordinator,
Minute Man National Historical Park,
174 Liberty Street Concord, MA 01742
tel: 978/369-6993, x 32
mark_nichipor@nps.gov

"...We thought we would go and meet the British."

Corporal Amos Barrett, Concord Militia

Concord Authors

A Walk to the Concord Bridge with the Concord Authors

○ Spring ○ Summer ○ Fall ○ Winter

Students participating in this one hour program learn about the April 19, 1775 battle at North Bridge from the perspectives of Concord's nineteenth century literary circle, and compare how different people have dealt with similar issues over time. The program begins at the North Bridge Visitor Center where students meet a park ranger who takes them on a guided walk to the North Bridge and Minute Man Statue. Along the way, students read quotes from Henry Thoreau, Louisa May Alcott, Ralph Waldo Emerson, and other nineteenth century Concord authors to get a sense of the connection between Concord's two revolutions. A closing conversation prompts students to think critically about the extent to which issues faced by eighteenth century colonial farmers and nineteenth century writers remain relevant today.

This program is part of *Thoreau and Friends*, a Concord-based educational programming collaborative offering interdisciplinary, curriculum-based programming for high school students studying the Concord authors (Thoreau, Emerson, Hawthorne, the Alcotts). This program can be done independently or in conjunction with a program at an associated site. Teachers taking part in a *Thoreau and Friends* program receive pre-visit materials that prepare students for the program and post-visit materials that extend learning beyond the program.

Ties to the Curriculum

This program integrates Massachusetts Curriculum Frameworks for History and Social Science (Standards 3 & 5) with English Language Arts (Standard 9).

Target Audience

Grades 5-12

Class Size

max. 45 students
1 : 10 chaperon to student ratio

Cost

$100

Availability

Available year round.

Accessibility

This program is wheelchair accessible.

Food

Student groups may eat outdoors on the grounds.

Restrooms

Wheelchair accessible restrooms are located at the North Bridge Visitor Center.

Reserving a Program

Reservations are required and recommended three weeks in advance. Contact the Education Program Coordinator at 978/369-6993, x 32.

Directions/Parking

Bus parking is available at the North Bridge Visitor Center parking lot.

Driving Directions

From the North:

Route 3 and Route I-93 to Route I-95 south to Exit 30B Concord/Hanscom AFB. Follow Route 2A west as directed below.

From the South:

Route 128 north to Exit 30 Concord/Hanscom AFB. Follow Route 2A west as directed below.

From the East or West:

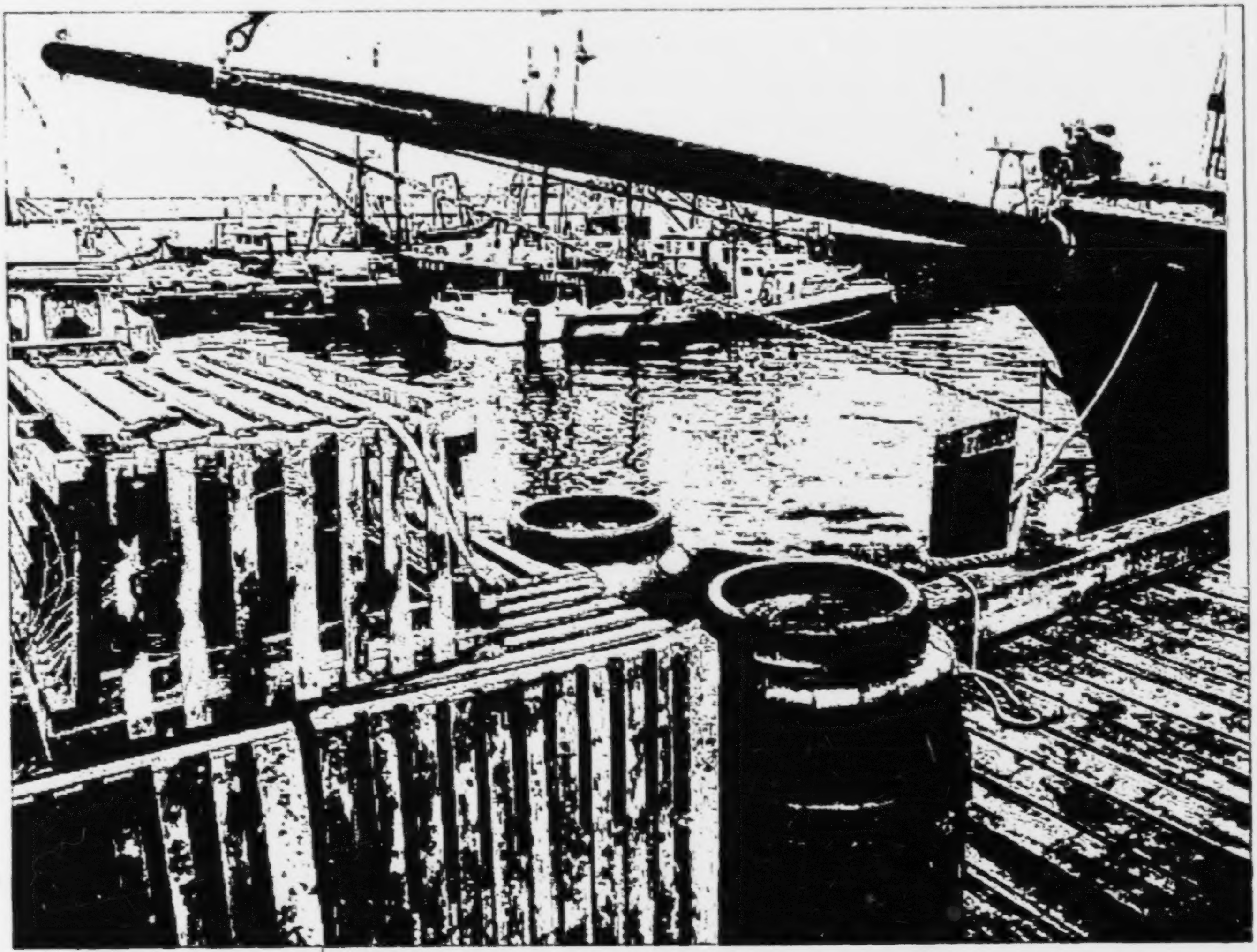
Route 2 to Route 2A west and follow directions below.

Take Route 2A west, following signs for Minute Man National Historical Park. Travel past the entrance to Minute Man Visitor Center Parking Lot on your right. At the second blinking light, bear right, following signs for "Historic Concord." Travel @ 3 miles to the center square in Concord. Proceed straight through the rotary to Monument Street directly in front of the Colonial Inn Restaurant. Take a right onto Monument Street and follow past the North Bridge Parking Lot to Liberty Street (@ 1.5 miles). Take a left onto Liberty Street. The entrance to the North Bridge Visitor Center parking lot is at the top of the hill on the left.

For Further Information

Education Program Coordinator,
Minute Man National Historical Park,
174 Liberty Street Concord, MA 01742
tel: 978/369-6993, x 32
mark_nichipor@nps.gov

> "Every revolution was first a thought in one man's mind."
>
> Ralph Waldo Emerson



New Bedford Whaling National Historical Park
33 William Street
New Bedford, MA 02740
508/996-4469
www.nps.gov/nebe

Programming Season

○ Spring ○ Summer ○ Fall ○ Winter

New Bedford Whaling National Historical Park

New Bedford Whaling NHP

New Bedford Whaling National Historical Park was established in 1996 to preserve and interpret America's whaling and maritime history. The park consists of a thirteen-block National Landmark District, which includes sixty-nine historic structures. Included in the district is the park visitor center; the New Bedford Whaling Museum, the world's largest museum devoted to the history of American whaling; and the Seamen's Bethel, made famous as the whalemen's chapel in Herman Melville's Moby-Dick. The park also includes the Rotch-Jones-Duff and Garden Museum, a whaling merchant's home built in 1834, and the historic schooner Ernestina. The legislation establishing the park also designated an affiliated site in Barrow, Alaska to commemorate the more than 2,000 New Bedford whaling voyages to the western arctic.

New Bedford Whaling National Historical Park is in the process of developing an education strategy that identifies methods for linking park resources with school curricula. Park education programs will be developed in collaboration with park partners and area schools. For updates, visit the park's website at www.nps.gov/nebe.

ESPECIALLY FOR SCHOOL GROUPS

Park Partners

Educational Programs through Park Partners

○ Spring ○ Summer ○ Fall ○ Winter

Curriculum-based education programs for students and teachers are offered at New Bedford Whaling National Historical Park through the park's many partners. School programs are offered at the New Bedford Whaling Museum, the Rotch-Jones-Duff House and Garden Museum, and aboard Schooner *Ernestina*. The Waterfront Historic Area League and the National Park Service offer programs at the park visitor center and walking tours of the historic district that can be adapted for students. Program themes include whaling and maritime history, architecture and preservation, and the Underground Railroad. For information on educational programs offered by park partners, contact partners directly.

New Bedford Historical Society: 508/984-1450
New Bedford Preservation Society: 508/997-6425
New Bedford Whaling Museum: 508/997-0046
Rotch-Jones-Duff House and Garden Museum: 508/997-1401
Schooner Ernestina: 508/992-4900
Waterfront Historic Area League (WHALE): 508/997-1776

Target Audience

Target audience varies by site.

Class Size

Class size varies by site

Cost

Park programs are FREE. Fees for programs offered by park partners vary.

Availability

Availability varies by site.

> "The town is perhaps the dearest place to live in, in all New England... All these brave houses and flowery gardens came from the Atlantic, Pacific and Indian Oceans. One and all, they were harpooned and dragged up hither from the bottom of the sea."

—Herman Melville, "Moby-Dick"

Accessibility

The Visitor Center is currently being adapted for wheelchair accessibility. The New Bedford Whaling Museum is wheelchair accessible. Contact park partners for additional accessibility information.

Food

Several outdoor areas adjacent to the park visitor center are suitable for bag lunches. There are a variety of restaurants within the historical park.

Restrooms

Restrooms are located at the park visitor center. They are currently being adapted for wheelchair access.

Reserving a Program

To reserve a park program, contact
Jennifer Gonsalves, New Bedford
National Historical Park, 33 William
Street, New Bedford, MA 02740
tel: 508/996-4095.

Directions/Parking

New Bedford, Massachusetts is located 1 1/2 hour south of Boston and 45 minutes east of Providence, R.I. Cape Cod is a thirty-minute drive from downtown New Bedford. The New Bedford Whaling National Historical Park Visitor Center is located at 33 William Street, New Bedford. Parking is available in the Elm Street Garage.

Driving Directions

From New York and Providence:
Route I-95 north to Route I-195 to exit 15 (downtown New Bedford). The exit will bring you onto Route 18. Follow directions from route 18 below.

From the Mass Turnpike, Boston or Lowell:
Route 128 south or Route 495 south to Route 24 south. Take Route 24 to Route 140 south. Take 140 to I-195 (toward Cape Cod). Take I-195 to exit 15 and follow directions from route 18 below.

Route 18 to the first traffic light. Turn right at the light onto Elm Street. Turn right on Elm Street and park in the Elm Street Garage on your right ($3.00 per day). Walk out of the Elm Street garage and straight ahead down Second Street. The New Bedford Whaling National Historical Park Visitor Center is located at the corners of Second and William Streets.

For Further Information

For information on park educational programs and resources, contact
Jennifer Gonsalves, New Bedford Whaling
National Historical Park, 33 William
Street, New Bedford, MA 02740
tel: 508/996-4095.

Salem Maritime National Historic Site
174 Derby Street
Salem, MA 01970
978/740-1662
www.nps.gov/sama

Programming Season

○ Spring ○ Summer ○ Fall ○ Winter

Salem
Maritime
National
Historic
Site

Salem Maritime, the first National Historic Site in the National Park System, preserves and interprets the maritime history of New England and the United States. The Site consists of close to nine acres of land and twelve historic structures along the Salem waterfront, as well as a downtown Visitor Center. The Site includes the Custom House, Public Stores, Scale House, and West India Goods Store which help tell about the development of Atlantic triangular trade during the colonial period, the role of privateering during the Revolutionary War, and the international maritime trade that established American economic independence after the Revolution. The Site is part of the Essex National Heritage Area which links thousands of historic sites in Essex County around themes of colonial settlement, maritime trade, and early industrial textile and shoe manufacturing.

Student groups can explore three centuries of architecture, imagine the bustle of port activity as they walk the Derby Wharf Trail, or let the harbor view carry their imaginations to exotic ports. A replica of the 1797 Salem tall ship, *Friendship*, is under construction to serve as a "living classroom."

Salem Maritime NHS

ESPECIALLY FOR SCHOOL GROUPS

Apprentice Shipwright Skills

Apprentice Shipwright Skills.

○ Spring ○ Summer ○ Fall ○ Winter

Students participating in this ninety minute on-site program use specially designed hands-on stations to learn about the process of shipbuilding in the nineteenth century and the need to construct sailing vessels that could survive long voyages to the West Indies, Africa, India, China, and Europe. Working in small groups, students move from station to station, uncovering the steps and skills (planing, drilling, fastening, caulking) involved in building ships like the eighteenth century tall ship, *Friendship*. Students also consider the variety and quantity of natural resources used in the shipbuilding industry and the impact of this use on the environment.

Teachers receive pre-visit materials to prepare students for the program and post-visit materials that extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standard 9) with Science & Technology (Strand 2) and Mathematics (Strand 3).

Target Audience

Grades 2-6

Class Size

24 students
1:10 chaperon to student ratio

Cost

Free

Availability

Available mid-September through mid-June. Summer programs may also be reserved.

Accessibility

The program has limited accessibility. Call for details 978/740-1662.

Food

Student groups can bring lunches and eat in the picnic area adjacent to the restroom facility. Nine picnic tables are located in a tree-shaded area and are available year round on a first come, first served basis. A number of restaurants and food services are within walking distance of the Site.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To reserve a program, call 978/740-1662.

> "In the tradition of the sea captains who charted courses to distant lands, students will leave the classroom and venture into new realms of inquiry."
>
> —*anonymous*

Directions/Parking

Salem Maritime National Historic Site is located in Salem, Massachusetts, 18 miles northeast of Boston, MA (forty minute drive). There is a bus drop-off in front of the Orientation Center, 193 Derby Street. Bus parking in designated areas painted green throughout the city.

Driving Directions

From the North or South:

Route I-93 to Route I-95N/128N (exit 37A). Follow 128N to exit 44 (Peabody). Take exit 26, right, onto Lowell Street (becomes Main St. then Boston St.) into Salem. Watch for brown signs with National Park Service arrowhead. Turn left onto Bridge Street, right onto Winter Street and follow Hawthorne Boulevard to 193 Derby Street.

For alternate driving directions, contact the park at 978/740-1662.

For Further Information

Contact Hazel Trembley at 978/740-1662 or hazel_trembley@nps.gov or visit the Salem Maritime National Historic Site at www.nps.gov/sama.

A Stitch in Time

A Stitch in Time

○ Spring ○ Summer ○ Fall ○ Winter

Children of the seventeenth and eighteenth centuries were expected to be active, contributing members of their family. Prior to the on-site program, students learn about education and gender beliefs by studying period samplers and learning needlework. During their visit, students discover the crucial role chores played in a child's life. While at the Narbonne House, each student creates a sachet filled with herbs and plant material. Then, students take a ranger-led tour of the house and explore a model of the home and archaeologial exhibits to find out about the three centuries of traders and craftmakers who lived in the house. In closing, students visit the garden and use their senses to explore plants used for many household chores.

Teachers recieve pre-visit materials to prepare students for the program and post-visit activities that extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standard 5) with Science & Technology (Strand 2), Mathematics (Strand 1), English Language Arts (Strand 1 and 2), and Art: The Practice of Creating (Strand 1).

Target Audience

Grades 3-8

Class Size

25 students
1:10 chaperon to student ratio

Cost

Free

Availability

Available mid-September through mid-June. Summer programs available by reservation.

Accessibility

The program has limited accessibility. Call for details 978/740-1662.

Food

Student groups can bring lunches and eat in the picnic area adjacent to the restroom facility. Nine picnic tables are located in a tree-shaded area and available year round on a first come, first served basis. A number of restaurants and food services are within walking distance of the Site.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To reserve a program, call 978/740-1662.

Directions/Parking

Salem Maritime National Historic Site is located in Salem, Massachusetts, 18 miles northeast of Boston, MA (forty minute drive). There is a bus drop-off in front of the Orientation Center, 193 Derby Street. Bus parking in designated areas painted green throughout the city.

Driving Directions

From the North or South:

Route I-93 to Route I-95/128 north (exit 37A). Follow 128N to exit 44 (Peabody). Take exit 26, right, onto Lowell Street (becomes Main St. then Boston St.) into Salem. Watch for brown signs with National Park Service arrowhead. Turn left onto Bridge Street, right onto Winter Street and follow Hawthorne Boulevard to 193 Derby Street.

For alternate driving directions, contact the park at 978/740-1662.

For Further Information

Contact Hazel Trembley at 978/740-1662 or hazel_trembley@nps.gov or visit the Salem Maritime National Historic Site at www.nps.gov/sama.

"Students learn in ways that are identifiably distinctive. The broad spectrum of students—and perhaps the society as a whole—would be better served if disciplines could be presented in a number of different ways and learning could be assessed through a variety of means."

Howard Gardner, Professor of Education,
Harvard Graduate School of Education

By the Sea

By the Sea

○ Spring ○ Summer ○ Fall ○ Winter

Students taking part in this one hour program explore the diversity of marine and human life found on Salem's harbor shoreline, and discover the many connections between people and the sea. Students take part in a hands-on exploration of bio-facts such as whale baleen, horseshoe crab skeletons, plants and artifacts like fish models and nautical items to gain an understanding of the importance of ocean/shore environments and some of the causes of endangerment. Hands-on activities and discussion prompt students to consider steps they can take to become more active stewards.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 9 & 10) with Science & Technology (Strand 2).

Target Audience

Pre-school to grade 3.

Class Size

25 students

1:6 chaperon to student ratio

Cost

Free

Availability

Available mid-September through mid-June. Summer programs available by reservation.

Accessibility

The program has limited accessibility. Call for details 978/740-1662.

Food

Student groups can bring lunches and eat in the picnic area adjacent to the restroom facility. Nine picnic tables are located in a tree-shaded area and are available year round on a first come, first served basis. A number of restaurants and food services are within walking distance of the Site.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To reserve a program, call 978/740-1662.

Directions/Parking

Salem Maritime National Historic Site is located in Salem, Massachusetts, 18 miles northeast of Boston, MA (forty minute drive). There is a bus drop-off in front of the Orientation Center, 193 Derby Street. Bus parking in designated areas painted green throughout the city.

Driving Directions

From the North or South:
Route I-93 to Route I-95/128 north (exit 37A). Follow 128N to exit 44 (Peabody). Take exit 26, right, onto Lowell Street (becomes Main St. then Boston St.) into Salem. Watch for brown signs with National Park Service arrowhead. Turn left onto Bridge Street, right onto Winter Street and follow Hawthorne Boulevard to 193 Derby Street.

For alternate driving directions, contact the park at 978/740-1662.

For Further Information

Contact Hazel Trembley at 978/740-1662 or hazel_trembley@nps.gov or visit the Salem Maritime National Historic Site at www.nps.gov/sama.

> "Today a little more land may belong to the sea, tomorrow a little less. Always the edge of the sea remains an elusive and indefinable boundary."
>
> Rachel Carson, in *The Edge of the Sea*

Custom House Operations

Under the Eagle's Wing: Custom House Operations

○ Spring ○ Summer ○ Fall ○ Winter

Relying on taxes collected by the Custom Service in ports like Salem, the United States remained independent, paid its debt, and even expanded as a country. Change often leads to more change. In this one hour program hands-on program, students discover changes to the internal source of revenue collection through the role of a sea captain and a sailor filling out their required documents. Students explore three related Custom Service buildings, including the offices, Public Stores, and Scale House.

Teachers receive pre-visit materials to prepare students for the program and post-visit materials that extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 2 & 8), Mathematics (Strand 1), and Art: The Practice of Creating (Strand 1).

Target Audience

Grades 4-9

Class Size

25 students
1:10 chaperon to student ratio

Cost

Free

Availability

Available mid-September through mid-June. Summer programs available by reservation.

Accessibility
The program has limited accessibility. Call for details 978/740-1662.

Food
Student groups can bring lunches and eat in the picnic area adjacent to the restroom facility. Nine picnic tables are located in a tree-shaded area and available year round on a first come, first served basis. A number of restaurants and food services are within walking distance of the Site.

Restrooms
Wheelchair accessible restrooms are available.

Reserving a Program
Reservations are required and are recommended as far in advance as possible. To reserve a program, call 978/740-1662.

Directions/Parking
Salem Maritime National Historic Site is located in Salem, Massachusetts, 18 miles northeast of Boston, MA (forty minute drive). There is a bus drop-off in front of the Orientation Center, 193 Derby Street. Bus parking in designated areas painted green throughout the city.

Driving Directions
From the North or South:
Route I-93 to Route I-95/128 north (exit 37A). Follow 128N to exit 44 (Peabody). Take exit 26, right, onto Lowell Street (becomes Main St. then Boston St.) into Salem. Watch for brown signs with National Park Service arrowhead. Turn left onto Bridge Street, right onto Winter Street and follow Hawthorne Boulevard to 193 Derby Street.

For alternate driving directions, contact the park at 978/740-1662.

For Further Information
Contact Hazel Trembley at 978/740-1662 or hazel_trembley@nps.gov or visit the Salem Maritime National Historic Site at www.nps.gov/sama.

The friendly ocean, longing for the fields,
Whose rustling groves it hears beyond the sand,
Silently up the peaceful river steals
And lays its arms about the dune-locked land.

Eliza Boyle O'Reilly
from Lines of Ipswich

Literary Focus

Under the Eagle's Wing: Literary Focus

○ Spring ○ Summer ○ Fall ○ Winter

In this one hour program, students are introduced to Nathaniel Hawthorne, Surveyor of the Port of Salem. While employed by the Federal Government, Hawthorne worked at the 1819 Custom House from 1846 – 1849. Two years later, his book, *The Scarlet Letter*, was published. In the first section, "The Custom-House Introductory" to *The Scarlet Letter*, Hawthorne describes a declining maritime industry and duties associated with the Custom House. Students compare this introduction with the actual role of the Customs Service in the Salem Port as they visit the 1819 Custom House, Public Stores, and Scale House.

Teachers receive pre-visit materials to prepare students for the program and post-visit materials that extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standard 9), with Mathematics (Strand 3) and English Language Arts (Sandard 2)

Target Audience

Grades 8-12

Class Size

25 students
1:10 chaperon to student ratio

Cost

Free

Availability

Available mid-September through mid-June. Summer programs available by reservation.

Accessibility
The program has limited accessibility. Call for details 978/740-1662.

Food
Student groups can bring lunches and eat in the picnic area adjacent to the restroom facility. Nine picnic tables are located in a tree-shaded area and are available year round on a first come, first served basis. A number of restaurants and food services are within walking distance of the Site.

Restrooms
Wheelchair accessible restrooms are available.

Reserving a Program
Reservations are required and are recommended as far in advance as possible. To reserve a program, call 978/740-1662.

Directions/Parking
Salem Maritime National Historic Site is located in Salem, Massachusetts, 18 miles northeast of Boston, MA (forty minute drive). There is a bus drop-off in front of the Orientation Center, 193 Derby Street. Bus parking in designated areas painted green throughout the city.

Driving Directions
From the North or South:
Route I-93 to Route I-95/128 north (exit 37A). Follow 128N to exit 44 (Peabody). Take exit 26, right, onto Lowell Street (becomes Main St. then Boston St.) into Salem. Watch for brown signs with National Park Service arrowhead. Turn left onto Bridge Street, right onto Winter Street and follow Hawthorne Boulevard to 193 Derby Street.

For alternate driving directions, contact the park at 978/740-1662.

For Further Information
Contact Hazel Trembley at 978/740-1662 or hazel_trembley@nps.gov or visit the Salem Maritime National Historic Site at www.nps.gov/sama.

> "Here we followed the surf in its reflux, to pick up a shell which the sea seemed loth to relinquish. Here we found a sea-weed, with an immense brown leaf, and trailed it behind us by its long snake-like stalk."

Nathaniel Hawthorne
From Foot-Prints on the Sea Shore

Exotic Trade

Under the Eagle's Wing: Exotic Trade

○ Spring ○ Summer ○ Fall ○ Winter

In this one hour hands-on program students discover how change leads to more change. Students examine how products that were once major import items are now prohibited from importation into the United States. Students then explore the exotic side of trade by examining actual animal hides and conducting a mock modern day inspection of contraband products such as tortoise shell and ivory. During the program students visit the 1819 Custom House, Public Stores, and Scale House.

Teachers receive pre-visit materials to prepare students for the program and post-visit materials that extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standard 9) with Science & Technology (Strand 2) and Mathematics (Strand 3).

Target Audience

Grades 2-6

Class Size

25 students
1:10 chaperon to student ratio

Cost

Free

Availability

Available mid-September through mid-June. Summer programs available by reservation.

Accessibility

The program has limited accessibility. Call for details 978/740-1662.

Food

Student groups can bring lunches and eat in the picnic area adjacent to the restroom facility. Nine picnic tables are located in a tree-shaded area and are available year round on a first come, first served basis. A number of restaurants and food services are within walking distance of the Site.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To reserve a program, call 978/740-1662.

Directions/Parking

Salem Maritime National Historic Site is located in Salem, Massachusetts, 18 miles northeast of Boston, MA (forty minute drive). There is a bus drop-off in front of the Orientation Center, 193 Derby Street. Bus parking in designated areas painted green throughout the city.

Driving Directions

From the North or South:

Route I-93 to Route I-95/128 north (exit 37A). Follow 128N to exit 44 (Peabody). Take exit 26, right, onto Lowell Street (becomes Main St. then Boston St.) into Salem. Watch for brown signs with National Park Service arrowhead. Turn left onto Bridge Street, right onto Winter Street and follow Hawthorne Boulevard to 193 Derby Street.

For alternate driving directions, contact the park at 978/740-1662.

For Further Information

Contact Hazel Trembley at 978/740-1662 or hazel_trembley@nps.gov or visit the Salem Maritime National Historic Site at www.nps.gov/sama.

For a few heady years when the Nation was young, Salem's name was synonymous with the overseas luxury trade. When Nathaniel Hawthorne is Surveyor of the Port, Salem's maritime trade is a mere shadow of its glory days. "A broom has not seen the light of day in this old Custom House," laments Hawthorne in The Scarlet Letter.

Trade Routes and Trade Goods

Trade Routes and Trade Goods

○ Spring ○ Summer ○ Fall ○ Winter

Trade is an old and simple process that once provided 99% of our nation's income and made many merchants wealthy, but none of it would have been possible without the consumer's desires, demands, and willingness to purchase. In this one and one-half hour program, students handle and discuss actual products, including spices, porcelain, and coffee beans to discover the great distances, risks, and hardships undertaken to obtain "luxuries" which are now "common" household products. Program activities include role-playing and mapping skills, and a visit to a working nineteenth century West India Goods Store.

Teachers receive pre-visit materials to prepare students for the program and post-visit materials that extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 1, 8, 9, 11 & 12) with Science & Technology (Strand 4), Mathematics (Strand 3), English Language Arts (Strand 1), and Art: The Practice of Creating (Strand 3).

Target Audience

Grades 1-College

Class Size

25 students
1:10 chaperon to student ratio

Cost

Free

Availability

Available mid-September through mid-June. Summer programs available by reservation.

Accessibility

The program has limited accessibility. Call for details 978/740-1662.

Food

Student groups can bring lunches and eat in the picnic area adjacent to the restroom facility. Nine picnic tables are located in a tree-shaded area and are available year round on a first come, first served basis. A number of restaurants and food services are within walking distance of the Site.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To reserve a program, call 978/740-1662.

Directions/Parking

Salem Maritime National Historic Site is located in Salem, Massachusetts, 18 miles northeast of Boston, MA (forty minute drive). There is a bus drop-off in front of the Orientation Center, 193 Derby Street. Bus parking in designated areas painted green throughout the city.

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Route I-93 to Route I-95/128 north (exit 37A). Follow 128N to exit 44 (Peabody). Take exit 26, right, onto Lowell Street (becomes Main St. then Boston St.) into Salem. Watch for brown signs with National Park Service arrowhead. Turn left onto Bridge Street, right onto Winter Street and follow Hawthorne Boulevard to 193 Derby Street.

For alternate driving directions, contact the park at 978/740-1662.

For Further Information

Contact Hazel Trembley at 978/740-1662 or hazel_trembley@nps.gov or visit the Salem Maritime National Historic Site at www.nps.gov/sama.

What matters how the night behaved?
What matter how the north-wind raved?
Blow high, blow low, not all its snow
Could quench our hearth-fire's ruddy glow.

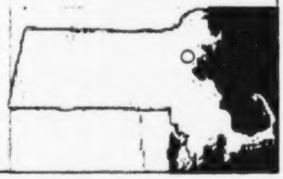
From "Snow-Bound"
John Greenleaf Whittier

Saugus Iron Works National Historic Site
244 Central Street
Saugus, MA 01906
781/233-0050
www.nps.gov/sair

Programming Season

○ Spring ○ Summer ○ Fall ○ Winter

Saugus
Iron
Works
National
Historic
Site



Walking through the gates of the Saugus Iron Works transports you to the seventeenth century. Here, where the integrated production of cast iron and wrought iron took place for the first time in the New World, is a natural amphitheater containing a 21-foot blast furnace, the forge, and the "rolling and slitting mill"—once considered the most innovative technology in iron making. The Saugus River flows through this area, powering waterwheels attached to each building. Early investors chose this site because the river provided both power and transportation. Surrounding woodlands provided charcoal and other raw materials. Saugus Iron Works National Historic Site is one of the few sites in the National Park Service based on an archaeological dig. The site includes the reconstructed industrial area and a restored seventeenth century house. Though rightly called, "The birthplace of the American Iron Industry," visitors often call it. "a hidden jewel of the National Park Service."

Saugus Iron Works NHS

ESPECIALLY FOR SCHOOL GROUPS

The Iron Works Tour

The Iron Works Tour: Early Colonies

○ Spring ○ Summer ○ Fall

Students participating in this one hour ranger-led program learn about the seventeenth century production, distribution, and consumption of iron in New England, and discover how changes in technology affected the iron manufacturing industry. Students visit the blast furnace with its twin 18-foot bellows where they learn about the process of turning raw material (iron ore) into pig iron (cast iron). Students then visit the forge with its 500-pound trip hammer to find out how pig iron was strengthened to create wrought iron suitable for wholesale distribution. Finally, students go to the rolling and slitting mill where they find out how large bars of wrought iron were heated and put through rollers to create a product for sale to blacksmiths. The program culminates with a blacksmith demonstration that allows students to see the process of turning iron into everyday objects like nails. Each site is powered by waterwheels. By the close of the program, students are able to compare seventeenth and twentieth century power sources, identify changes in technology, and describe the supply and demand of iron products in the early colonies.

Teachers receive pre-visit materials that prepare students for the program and post-visit materials that extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program supports the Massachusetts Curriculum Framework for Science & Technology (Standard 1, 2 & 3).

Target Audience

Grades 1-8

Class Size

28 students
1:10 chaperon to student ratio

Cost

FREE

Availability

Available mid-September through October and April through mid-June.
Summer programs available by reservation.

Accessibility

The program is wheelchair accessible with advanced notice. Call the site for further information.

Food

Student groups can bring lunches and eat outdoors at picnic tables or on the grass.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To make a reservation, call 781/233-0050.

Directions/Parking

Bus parking is available at the site.

Driving Directions

From the North or South:

Route I-95/128 to the Walnut Street exit (# 43) in Lynnfield. Follow the brown National Park signs for 3.5 miles to the site.

Route 1 north to the Main Street exit (Saugus) and follow signs through Saugus Center.

Route 1 south to the Walnut Street exit. Travel east and follow signs for 1.5 miles to the site.

For Further Information

Contact Vicki Earll at 781/233-0050 or vicki_earll@nps.gov or visit the Saugus Iron Works Website at www.nps.gov/sair.

"A hidden jewel of the National Park Service."

Meet the People

Meet the People

○ Spring ○ Summer ○ Fall

During this half-hour or hour long ranger-led program students "meet" the people associated with the iron works. A hands-on activity allows students to explore three groups of the population that contributed to the economic and cultural development of the Colony and discover why they came to the new colonies. Some students dress in historical clothing, while others act as wardrobe assistants. Then some students portray people associated with the Iron Works, while others read cards telling about these people.

Teachers receive pre-visit materials that prepare students for the program and post-visit activities that extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 4 & 9) with Art: The Practice of Creating (Standard 1).

Target Audience

Grades 1-12

Class Size

30 students
1:10 chaperon to student ratio

Cost

FREE

Availability

Available mid-September through October and April through mid-June.
Summer programs available by reservation.

Accessibility
The program is wheelchair accessible with advanced notice. Call the site for further information.

Food
Student groups can bring lunches and eat outdoors at picnic tables or on the grass.

Restrooms
Wheelchair accessible restrooms are available.

Reserving a Program
Reservations are required and are recommended as far in advance as possible. To make a reservation, call 781/233-0050.

Directions/Parking
Bus parking is available at the site.

Driving Directions
From the North or South:
Route I-95/128 to the Walnut Street exit (# 43) in Lynnfield. Follow the brown National Park signs for 3.5 miles to the site.

Route 1 north to the Main Street exit (Saugus) and follow signs through Saugus Center.

Route 1 south to the Walnut Street exit. Travel east and follow signs for 1.5 miles to the site.

For Further Information
Contact Vicki Earll at 781/233-0050 or vicki_earll@nps.gov or visit the Saugus Iron Works Website at www.nps.gov/sair.

> "The guide who was a trained blacksmith made the tour come alive…"
>
> *Professor, University of Rhode Island*

Mystery Rocks

Mystery Rocks

○ Spring ○ Summer ○ Fall

This program is a teacher-led activity that can be done at Saugus Iron Works or in the classroom. The length of the program varies depending on the complexity of involvement. Students use observation and deduction skills to identifying "mystery rocks" associated with the Iron Works. Eight items—all found at the Iron Works—are tucked into a tackle-box with a magnifying glass, magnet, ruler, instruments for scratching the surfaces of the "mystery" items, and data collection sheets. In teams, students work together to make scientific observations using simple tools. By the end of the activity, students are able to identify "mystery" items using magnetic pull and hardness (MOH scale), size, and color.

Teachers receive pre-visit materials that prepare students for the program and post-visit activities that extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 4 & 9) with Art: The Practice of Creating (Standard 1).

Target Audience

Grades 1-12

Class Size

30 students

1:10 chaperon to student ratio

Cost

FREE

Availability

Available mid-September through October and April through mid-June.

Summer programs available by reservation.

Accessibility

The program is wheelchair accessible with advanced notice. Call the site for further information.

Food

Student groups can bring lunches and eat outdoors at picnic tables or on the grass.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To make a reservation, call 781/233-0050.

Directions/Parking

Bus parking is available at the site.

Driving Directions

From the North or South:

Route I-95/128 to the Walnut Street exit (# 43) in Lynnfield. Follow the brown National Park signs for 3.5 miles to the site.

Route 1 north to the Main Street exit (Saugus) and follow signs through Saugus Center.

Route 1 south to the Walnut Street exit. Travel east and follow signs for 1.5 miles to the site.

For Further Information

Contact Vicki Earll at 781/233-0050 or vicki_earll@nps.gov or visit the Saugus Iron Works Website at www.nps.gov/sair.

> "This program is wonderful! It showed our students local history in action and taught them about the iron making process."
>
> *Teacher, Grades 9-12*

Simple Machines

Simple Machines

○ Spring ○ Summer ○ Fall

Students participating in this one hour ranger-led program learn about the seventeenth century machines used to turn raw material into iron used throughout New England, and discover how changing technology changed iron processing. Students visit the blast furnace with its twin 18-foot bellows where they see the machines used to turn raw material (iron ore) into pig iron (cast iron). Students then visit the forge with its 500-pound trip hammer to find out how pig iron was strengthened to create wrought iron. Finally, students go to the rolling and slitting mill where they see machines that transformed large bars of wrought iron into a product for sale to blacksmiths. At each site, students observe machinery powered by full-sized waterwheels. The program culminates with a blacksmith demonstration. By the close of the program, students are able to describe how each machine works, list the two forms of iron produced and the senses used by ironworkers to determine a finished product, and identify some of the changes in technology that changed iron processing.

Teachers receive pre-visit materials that prepare students for the program and post-visit materials that extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program supports the Massachusetts Curriculum Framework for Science & Technology (Standards 1, 2 & 3).

Target Audience

Grades 1-8

Class Size

28 students
1:10 chaperon to student ratio

Cost

FREE

Availability

Available mid-September through October and April through mid-June. Summer programs available by reservation.

Accessibility

The program is wheelchair accessible with advanced notice. Call the site for further information.

Food

Student groups can bring lunches and eat outdoors at picnic tables or on the grass.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To make a reservation, call 781/233-0050.

Directions/Parking

Bus parking is available at the site.

Driving Directions

From the North or South:

Route I-95/128 to the Walnut Street exit (# 43) in Lynnfield. Follow the brown National Park signs for 3.5 miles to the site.

Route 1 north to the Main Street exit (Saugus) and follow signs through Saugus Center.

Route 1 south to the Walnut Street exit. Travel east and follow signs for 1.5 miles to the site.

For Further Information

Contact Vicki Earll at 781/233-0050 or vicki_earll@nps.gov or visit the Saugus Iron Works Website at www.nps.gov/sair.

> "Each site kept kids interested.
> We loved the whole day!"
>
> *Third Grade Teacher*

What is It?

What is It?

○ Spring ○ Summer ○ Fall ○ Winter

This program is a teacher-led activity that can be done at Saugus Iron Works or in the classroom. The length of the program varies depending on the complexity of involvement. Students assume the role of Archeologists and/or Anthropologists, then study three-dimensional objects using observation skills and deduction to decide what the object is, how it was used, and its approximate age. In character, students describe and discuss their findings with classmates. During this activity, students discover some of the sciences related to studying the past, place artifacts in chronological order, and discuss how archeology and anthropology help us understand the extent to which physical characteristics influenced industries and economic growth in Massachusetts.

Teachers receive pre-visit materials that prepare students for the program and post-visit activities that extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program supports the Massachusetts Curriculum Framework for History and Social Science (Standards 1, 3 & 9).

Target Audience

Grades 1-8

Class Size

28 students
1:10 chaperon to student ratio

Cost

Free

Availability

Available mid-September through October and April through mid-June. Summer programs available by reservation. Classroom program is available year round.

Accessibility

The program is wheelchair accessible with advanced notice. Call the site for further information.

Food

Student groups can bring lunches and eat outdoors at picnic tables or on the grass.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To make a reservation, call 781/233-0050.

Directions/Parking

Bus parking is available at the site.

Driving Directions

From the North or South:

Route I-95/128 to the Walnut Street exit (# 43) in Lynnfield. Follow the brown National Park signs for 3.5 miles to the site.

Route 1 north to the Main Street exit (Saugus) and follow signs through Saugus Center.

Route 1 south to the Walnut Street exit. Travel east and follow signs for 1.5 miles to the site.

For Further Information

Contact Vicki Earll at 781/233-0050 or vicki_earll@nps.gov or visit the Saugus Iron Works Website at www.nps.gov/sair.

> "The best field trip of our school year!"
>
> Homeschool Teacher

Colonial Ironmaking

Colonial Ironmaking

○ Spring ○ Summer ○ Fall ○ Winter

This forty-five minute ranger-led classroom program uses visual aids and manipulatives to introduce students to Essex County's important role in the development of Massachusetts and greater New England. Students view a ten-minute video, then examine items from the Park's "Discovery Box" to uncover the interconnections between each settlement in Essex County, paying special attention to the iron industry. Students also explore the relationship between Lynn and Saugus. At the end of the activity, students understand why Essex County was named a National Heritage Area, why iron was important to early settlers, and why the Saugus River was important to the Iron Works.

Teachers receive pre-visit materials that prepare students for the program and post-visit materials that extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 4 & 12) with Science & Technology (Standard 3).

Target Audience

Grades 3-5

Class Size

28 students

Cost

Free

Available

Available mid-September through mid-June. Summer programs available by reservation.

Accessibility

Video is closed captioned.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To make a reservation, call 781/233-0050.

For Further Information

Contact Vicki Earll at 781/233-0050 or vicki_earll@nps.gov or visit the Saugus Iron Works Website at www.nps.gov/sair.

> "A great insight into an early American industry… its operation and people, its natural resource requirements, the technology, the economics of iron making, and its eventual failure…"
>
> *Fifth Grade Teacher*

Springfield Armory National Historic Site
1 Armory Square
Springfield, MA 01105-1299
413/734-8551
www.nps.gov/spar

Programming Season

○ Spring ○ Summer ○ Fall ○ Winter

Springfield
Armory
National
Historic
Site

Springfield Armory National Historic Site commemorates the critical role the Armory played in the nation's military and industrial history. As a center for small arms manufacture, research and development, and storage, the Armory enjoyed an international reputation for quality products and industrial innovation. The firearms collection is one of the most comprehensive in the world, and offers the most complete collection of existing Confederate weapons. The Arsenal at Springfield, established in 1777 to support the American Revolution, became the Nation's first armory in 1794; its arms were used in every major conflict in U.S. history.

The Site preserves, protects and interprets an extensive firearms collection, archives, library, structures, and landscape. Programming makes the story of the Armory complex and its role in U.S. military history and technological development accessible to casual visitors, formal groups, and scholars, and presents the collection in terms of its impact on civilization.

Springfield Armory NHS

ESPECIALLY FOR SCHOOL GROUPS

Catalyst for Change

Springfield Armory, A Catalyst for Change

○ Spring ○ Summer ○ Fall ○ Winter

This program is a teacher and ranger-led program that consists of two forty-five minute classroom lessons and one two and one-half hour hands-on Museum program. Teachers can select from three pre-visit programs: 1) Manufacturing and the Community, 2) In Their Own Words, 3) a Class Debate. In the classroom, students focus on the effects of Armory technology through selected readings and discussions about the consequences of an advertising business upon themselves, the local economy, and the environment. As part of the classroom experience, students develop arguments for the topic: "Should there be a National Armory to manufacture and store firearms for the military?" The Museum visit includes a discussion of firearm safety, a Flintlock Musket loading demonstration, "Museum Search," and a film. Through classroom readings and discussions and the Museum program, students gain insight into how the Armory was a catalyst for change.

Teachers receive pre- visit materials that prepare students for the program and post-visit materials that extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for History and Social Science (Standards 1 & 6) with Science & Technology (Strand 3).

Target Audience

Grades 5-12

Class Size

48 students
1:10 grades 5-7; 1:15, grades 8-12 chaperon to student ratio

Cost

Free

Availability

Available mid-September through mid-June. Summer programs available by reservation.

Accessibility

The program is wheelchair accessible.

Food

Student groups can bring lunches and eat inside or picnic outdoors on the grass.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To make a reservation, call 413/ 734-8551.

Directions/Parking

The Springfield Armory is within a short drive of several interstate highways: 90 minutes from Boston, MA and Albany, NY; 60 minutes from VT; and 30 minutes from Hartford, CT.

Driving Directions

From the North:

Route I-91 south to exit 5, Broad Street. Turn left at bottom of ramp, then left at first traffic light. Follow the blue directional signs to the Museum.

From the South:

Route I-91 north to exit 4, Broad Street. Follow blue directional signs.

From the East:

Mass Turnpike to exit 6. Take I-91 South to exit 5, Broad Street, then turn left at bottom of ramp. Turn left at first traffic light. Follow blue directional signs to the Museum.

From the West:

Mass Turnpike to exit 4. Take I-91 South to exit 5, Broad Street. Turn left at bottom of ramp. Turn left at first traffic light. Follow blue directional signs. Bus drop off/loading outside Museum doors.

For Further Information

Contact Joanne Gangi at 413/734-8551 or joanne_gangi@nps.gov or visit the Springfield Armory Website at www.nps.gov/spar.

"For almost two centuries, the hilltop overlooking the Connecticut River was an important place for the development and manufacture of arms for American soldiers."

Armory for the Nation

Armory for the Nation

○ Spring ○ Summer ○ Fall ○ Winter

This program is a teacher and ranger-led program that consists of a forty-five minute classroom lesson, a ninety minute ranger-led classroom program, a two and one-half hour on-site Museum program, and a forty-five minute post-visit classroom activity. Teachers can select from four pre-visit programs: 1) Let Them Eat Cake, 2) Wood 'N You, 3) Producing Pens, and 4) Genius in Me. During the pre-visit classroom lesson, students link their experiences with firearm technology and consequences. Using photographs, a Flintlock Musket, and group activities, students focus on the Armory technology and its effects on soldiers and civilians in the program, "Right in Our Backyard." During the site-visit, students discover inventors and inventions in the Museum Search program, "*Technology, Inventions and Consequences*," using objects, photographs, and small group discussion. Groups present their findings to the entire class and discuss inventions and consequences for soldiers and civilians. The post-museum classroom activities include the use of poetry, theatre, researching school conflicts, music, and debating skills.

Teachers receive pre- visit materials that prepare students for the program and post-visit materials that extend learning beyond the program.

Ties to the Curriculum

This interdisciplinary program links Massachusetts Curriculum Frameworks for English Language Arts (Standard 3) with History and Social Science (Standards 6 &12).

Target Audience

Grades 5-6

Class Size

40 students

1:10 chaperon to student ratio

Cost

Free

Availability

Available mid-September through mid-June. Summer programs available by reservation.

Accessibility

The program is wheelchair accessible.

Food

Student groups can bring lunches and eat inside or picnic outdoors on the grass.

Restrooms

Wheelchair accessible restrooms are available.

Reserving a Program

Reservations are required and are recommended as far in advance as possible. To make a reservation, call 413/ 734-8551.

Directions/Parking

The Springfield Armory is within a short drive of several interstate highways: 90 minutes from Boston, MA and Albany, NY; 60 minutes from VT; and 30 minutes from Hartford, CT.

Driving Directions

From the North:

Route I-91 south to exit 5, Broad Street. Turn left at bottom of ramp, then left at first traffic light. Follow the blue directional signs to the Museum.

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Route I-91 north to exit 4, Broad Street. Follow blue directional signs.

From the East:

Mass Turnpike to exit 6. Take I-91 South to exit 5, Broad Street, then turn left at bottom of ramp. Turn left at first traffic light. Follow blue directional signs to the Museum.

From the West:

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For Further Information

Contact Joanne Gangi at 413/734-8551 or joanne_gangi@nps.gov or visit the Springfield Armory Website at www.nps.gov/spar.

"Springfield Armory evolved from a place where skilled craftsmen built, piece by piece, one musket at a time...into an institute famous for its research and development."

Resources

Resources

These resources for students and teachers are recommended by educators who visit, use, and work at national parks in the Commonwealth of Massachusetts.

History and Social Science

Early America and Americans (Beginnings to 1650)

Cronon, William. (1983). *Changes in the Land: Indians, Colonists, and the Ecology of New England*. New York, NY: Hill and Wang.

Settlements, Colonies, and Emerging American Identity (1600-1763)

Butterfield, L.H., Marc Friedlaender & Mary-Jo Kline. (1975). *The Book of Abigail and John: Selected Letters of the Adams Family 1762-1784*. Boston, MA: Massachusetts Historical Society.

Carlson, Stephen P. (1979). *The Scots at Hammersmith*. Saugus, MA: Eastern National Park and Monument Association.

Clark, Mary Stetson. (1991). *Iron in Colonial Times*. USA: Publishing Center for Cultural Resources.

Dow, George Francis. (1988). *Every Day Life in the Massachusetts Bay Colony*. New York, NY: Dover Publications.

Earle, Alice Morse. (1993). *Home Life in Colonial Days*. MA: Berkshire House Publishers.

Hakim, Joy. (1993). *From Colonies to Country*. New York, NY: Oxford University Press Children's Books.

Kemper III, Jackson. (1987). *American Charcoal Making*. Elverson, PA: Hopewell Furnace National Historic Site.

McGovern, A. (1992). *...If You Lived in Colonial Times*. New York, NY: Scholastic Inc.

Watson, Bruce. (1991). "Forging the Future," in *Cobblestone*. Petersborough, NH: Cobblestone Publishing, Inc.

Whitman, Maryann. (1995). *Saugus Iron Works: Life and Work at an Early American Industrial Site*. A Teaching with Historic Places Lesson Plan. Washington, DC: National Trust for Historic Preservation.

The American Revolution: Creating a New Nation (1750-1815)

Cobblestone Publishers. (1988). *"Salem and the East Indies Trade." in Cobblestone, Vol. 9, Number 9.* Peterborough, NH: Cobblestone Publishers.

Bliven, Bruce. (1987). *The American Revolution*. New York, NY: Random House.

Bober, Natalie S. (1998). *Abigail Adams: Witness to a Revolution*. Aladdin Paperbacks.

Bolster, W. Jeffrey. (1997). *Black Jacks - African American Seamen in the Age of Sail*. Cambridge, MA: Harvard University Press.

Callahan, North. (1958). *Henry Knox, General Washington's General*. Rinehart & Co.

Carter, Alden R. (1988). *The American Revolution*. New York, NY: Franklin Watts.

Christman, Margaret C. S. (1984). *Adventurous Pursuits: Americans and the China Trade, 1784-1844*. Washington, DC: Smithsonian Institution Press.

Cobblestone Magazine. (Sept. 1983) *Patriotic Tales of the American Revolution*. Peterborough, NH: Cobblestone Publishing, Inc.

Coburn, Frank Warren, ed. (1995). *Muster Rolls of the Participating Companies of American Militia and Minute Men in the Battle of April 19, 1775*. Eastern National Park and Monument Association.

Commanger, Henry Steele. (1982). *The Great Declaration: A Book for Young Americans*, Eastern National Park & Monument Association for the National Park Service. (Reissue of 1958 edition published by Bobbs-Merrill Co., Inc.)

Creighton, Margaret S. (1982). *Dog Watch and Liberty Days*. Worcester, MA: Mercantile Press.

Egger-Bovet, Howard & Marlene Smith-Baranzini, et al. (1994). *USKids History: Book of the American Revolution*. New York, NY: Little Brown and Company.

Ferris, Robert G. & Richard E. Morris. (1982). *Signers of the Declaration of Independence*. Flagstaff, AZ: Interpretive Publications, Inc.

Forbes, Esther. (1987). *Johnny Tremain*. Yearling Books.

Fritz, Jean. (1987). *Early Thunder*. New York, NY: Puffin Books.

Fritz, Jean. (1996). *And then What Happened Paul Revere?* Paper Star Press.

Horton, James O. & Lois E. Horton. (1998). *In Hope of Liberty: Culture, Community, and Protest among Northern Free Blacks, 1700-1860*. New York, NY: Oxford University Press.

Lathom, Jean Lee. (1955). *Carry on Mr. Bowditch*. Boston, MA: Houghton-Mifflin,Co.

Maier, Pauline. (1997). *American Scripture: Making the Declaration of Independence*. New York, NY: Alfred A. Knopf, Inc.

Minute Man National Historical Park. "A Bridge To The Past: Teacher's Guide to the North Bridge and Battle Road Units of Minute Man National Historical Park." Available at Minute Man NHP book store.

Morison, Samuel Eliot. (1961). *Maritime History of Massachusetts, 1783-1860*. Boston, MA: Northeastern University Press.

Morrissey, Brendan. (1995). *Boston 1775: The Shot Heard Around the World*.
Osprey Publishing Co.

National Park Service. (1989). *Salem: Maritime Salem in the Age of Sail*. Washington, DC: United States Department of the Interior.

Nell, William C. (1968). *The Colored Patriots of the American Revolution*. Ayer Co. Publishers.

Nichols, George. (1970). *Salem Shipmaster and Merchant: An Autobiography*. Freeport, NY: Books for Libraries Press.

Nylander, Jane. (1994). *Our Own Snug Fireside: Images of the New England Home, 1760-1860*. New Haven, CT: Yale University Press.

Osborne, Angela. (1989). *Abigail Adams*. New York, NY: Chelsea House Publishers.

Reit, Seymour. (1992). *Guns for General Washington: A Story of the American Revolution* (Great Episodes). Harcourt-Brace.

Unknown author. *The Lexington – Concord Battle Road: Hour-by-hour account of events preceding and on the history-making day April 19, 1775*. Available through the Concord, MA Chamber of Commerce.

Zobel, Hiller B. (1996 reissue). *The Boston Massacre*. New York, NY: W.W. Norton & Co.

Expansion, Reform and Economic Growth (1815-1861)

Deyrup, Felicia Johnson. (1970). *Arms Making in the Connecticut Valley*. Pennsylvania: George Shumway Publisher.

Hounshell, David A. (1984). *From the American System to Mass Production 1800 – 1932*. Maryland: Johns Hopkins University Press.

Blewett, Mary H. ed. (1982). *Surviving Hard Times: Working People of Lowell*. Lowell, MA: Lowell Museum.

Cherry, Lynne. (1982). *A River Ran Wild*. New York, NY: Harcourt Brace, and Co.

Dalzell, Robert. (1987). *Enterprising Elite*. Cambridge, MA: Harvard University Press.

Dublin, Thomas. (1981). *Farm to Factory: Women's Letters 1830-1860*. New York, NY: Columbia University Press.

Dublin, Thomas. (1993). *The Story of an Industrial City*. Washington D.C.: National Park Service.

Dublin, Thomas. (1979). *Women at Work*. New York, NY: Columbia University Press.

Dunwell, Steve. (1978). *Run of the Mill*. Boston, MA: David R. Godine.

Eno, Arthur L. (1976). *Cotton Was King: A History of Lowell*. Lowell, MA: Lowell Historical Society.

Lowell National Historical Park. (1998). *A New England Mill Poster*. Available through Lowell National Historical Park bookstore.

Macauley, David. (1983). *Mill*. Boston, MA: Houghton Mifflin Co.

Macauley, David. (1988). *The Way Things Work*. Boston, MA: Houghton Mifflin.

Malone, Patrick. (1983). *Canals and Industry*. Lowell, MA: Lowell Museum.

McCully, Emily Arnold. (1996). *The Bobbin Girl*. New York, NY: Dial Books for Young Readers, Penguin Books, USA, Inc.

Patterson, Katherine. (1991). *Lyddie*. New York, NY: Penguin Books.

Robinson, Harriet Hanson. (1976). *Loom & Spindle or Life Among the Early Mill Girls*. Kailua, HA: Press Pacifica.

Weible, Robert, ed. (1991). *The Continuing Revolution*. Lowell, MA: Lowell Historical Society.

The Civil War and Reconstruction (1850-1877)

Adams, Charles Francis. (1983). *Charles Francis Adams 1835-1915: An Autobiography*. New York, NY: Chelsea House Publishers.

Clark, David C. (1994). *Arms for the Nation Springfield Longarms*. Pennsylvania; South Greensburg Printing Co., Inc.

Cox, Clinton. (1993). *Undying Glory: The Story of the Massachusetts 54th Regiment*. Scholastic Professional Books.

Douglass, Frederick. (1993). *Narrative of the Life of Frederick Douglass*. Bedford Books.

Duberman, Martin B. (1960). *Charles Francis Adams 1807-1886*. CA: Stanford University Press.

Gougeon, Len & Joel Myerson, eds. (1995). *Emerson's Antislavery Writings*. CT: Yale University Press.

Jacobs, Donald M., ed. (1993). *Courage and Conscience: Black & White Abolitionists in Boston. IN*: Indiana University Press.

Ketchum, Richard M., Editor & Bruce Catton, Narrator. (1960). *The American Heritage Picture History of the Civil War*. New York, NY: American Heritage Publishing Co., Inc.

Truth, Sojourner, edited by Margaret Washington. (1993). *The Narrative of Sojourner Truth*. Vintage Books.

The Advent of Modern America (1865-1920)

Bodnar, John. (1985). *The Transplanted*. Bloomington, IN: Indiana University Press.

Claflin, James. (1998). *Lighthouses and Lifesaving along the Massachusetts Coast.* South Carolina: Arcadia Press.

Denenberg, Barry. (1997). *So Far from Home, The Diary Of Mary Driscoll*, An Irish Mill Girl. New York, NY: Scholastics, Inc.

Dunlap, Julie. (1994). *Parks for the People: A Story about Frederick Law Olmsted*. Minneapolis, MN: Carolrhoda Books.

Emerson, Ralf Waldo. (1990). *Essays: First and Second Series. Vintage Books.*

Hunter, Louis C. (1979) *A History of Industrial Power in the United States 1780-1930*. Charlottesville: University of Virginia Press

Mayerson, Evelyn Wilder. (1990). *The Cat Who Escaped From Steerage*. New York, NY: Charles Scribner's Sons.

Johnston, Johanna. (1975) *Frederick Law Olmsted: Partner with Nature*. New York, NY: Dodd, Mead, and Company.

Raber Associates Consultants in the Historical and Social Sciences. (1989). *Conservative Innovators and Military Small Arms: An Industrial History of Springfield Armory 1794 – 1968*. So. Glastonbury, CT. (unpublished report available through Springfield Armory NHS)

Smithsonian Institution. (1978). *The Smithsonian Book of Invention*. Washington D.C.: Smithsonian Institution Press.

Tifft, Wilton S. (1990). *Ellis Island*. Chicago, IL: Contemporary Books.

The United States and Two World Wars (1914 to 1945)

Colman, Penn & Shakti Gawain. (1995*). Rosie the Riveter: Women Working on the Home Front during World War II*. New York, NY: Crown Publishers, Inc.

Hartmann, Susan M. (1982) *The Home Front and Beyond: American Women in the 1940s*. Boston, MA: Twayne Publishers.

Honey, Maureen. (1984*). Creating Rosie the Riveter: Class, Gender and Propoganda during World War II*. Amherst, MA: University of Massachusetts Press.

Sinnott, Susan. (1995*). Doing our Part: American Women on the Home Front During World War II*. New York, NY: Franklin Watts, Inc.

Whitman, Sylvia. (1992*). V is for Victory: The American Home Front during World War II*. Lerner Publications Company.

The Contemporary United States (1945 to the Present)

Sorenson, Theodore, ed. (1988). *"Let the World Go Forth:" The Speeches, Statements, and Writings of John F. Kennedy*. Delacorte Press.

Goodwin, Doris Kearns. (1987). *The Fitzgeralds and the Kennedys: An American Saga*. New York: Simon and Schuster.

ABC News. (1989) *The Great Debate: John F. Kennedy vs. Richard M. Nixon*. Color, 60 minutes. MPI Home Video.

MPI Home Video. (1990). *The Speeches of John F. Kennedy*. Color and B/W. 60 minutes. MPI Home Video.

Environmental History and Environmental Education

Baker, Jennie & Jeannie Baker. (1992). *Window*. Puffin Books.

Cherry, Lynne. (1992). *River Ran Wild*. Harcourt and Brace.

Cornell, Joseph. (1994). *Journey to the Heart of Nature*. Nevada City, CA: Dawn Publications.

Coulombe, Deborah. (1984). *The Seaside Naturalist*. New York: Simon and Schuster.

DiSalvo Ryan, DyAnne. (1994). *City Green*. New York, NY: William Morrow and Company.

Dunford, Fred. (1997). *Secrets in the Sand: The Archeology of Cape Cod*. Hyannis: Parnassus Imprints

Herberman, Ethan. (1996). *The City Kids Field Guide*. Parssippay, NJ: Silver-Burdett & Ginn.

Hiss, Tony. (1990). *The Experience of Place*. New York, NY: Alfred A Knopf.

Nabhan, Gary and Stephen Trimble. (1994). *The Geography of Childhood: Why Children Need Wild Places*. Boston, MA: Beacon Press.

National Park Service. "National Park Service-Cape Cod Sands of Time" (video)

Silver, Donald. (1993). *One Small Square Backyard*. New York, NY: Freeman and Company.

Science

Kesselheim, Alan S. et al. (1995) *WOW! The Wonders of Wetlands: An Educator's Guide.* Bozeman, MT: The Watercourse, Montana State University.

Lawlor, Elizabeth. (1992). *Discover Nature at the Seashore.* Harrisburg, PA: Stackpole Books.

Project WET. (1995) *Project WET K-12 Curriculum and Activity Guide.* Bozeman, MT: Project WET Montana State University.

English Language Arts

Poetry, Writing, and Literature

Bumgardner, Joyce. (1997). *Helping Students Learn to Write Poetry.* Boston, MA: Allyn and Bacon.

Dana, Richard Henry. (1965). *Two Years Before the Mast.* New York, NY: Airmont Publishing Company.

Hawthorne, Nathaniel. (1998). *The Scarlet Letter.* Konemann.

Koch, Kevin. (1992). *Rose, Where Did You Get that Red? Teaching Great Poetry to Children.* New York, NY: Vintage Books.

McKim, Elizabeth and Judith Steinbergh. (1992). *Beyond Words, Writing Poems with Children: A Guide for Parents and Teachers.* Brookline, MA: Talking Stone Press.

Moyers, Bill, ed. (1995). *The Language of Life: Eight-part Video Series.* David Grubin Productions, Inc. and Public Affairs Television, Inc.

Perry, Aaren Yeatts. (1997) *Poetry Across the Curriculum.* Boston, MA: Allyn and Bacon.

Sedgwick, Fred. (1997) *Read My Mind: Young Children, Poetry and Learning.* New York, NY: Routledge.

Biography

Lukes, Bonnie. (1998). *World Writers. Henry Wadsworth Longfellow: America's Beloved Poet.* Greensborough, NC: Morgan Reynolds, Inc.

Minuteman National Historical Park. "Thoreau and Friends" Program Guide. Available through Minute Man NP bookstore.

Richmond, Merle. (1992). *Phillis Wheatley (American Women of Achievement).* Library Binding.

Sherrow, Victoria. (1993). *Phillis Wheatley: Poet.* New York, NY: Chelsea House Publishing Paperbacks.

Art

Blizzard, Gladys. (1992). *Come Look with Me: Exploring Landscape Art with Children.* Charlottesville, VA: Thomasson-Grant, Inc.

Reference

Eyewitness Visual Libraries. (1991). *Visual Dictionary of Ships and Sailing.* New York, NY: DK Pubblishing, Inc.

Rogers, Jon G. (1985). *Origins of Sea Terms.* American Maritime Library: volume XI. Boston, MA: Nimrod Press.

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